

*Malibu Civic Center Wastewater Treatment Facility*

# Third Quarter 2017 Groundwater + Surface Water Monitoring Report

Rincon Consultants Inc.
October 2017

*Submitted to:*

City of Malibu
23825 Stuart Ranch Road
Malibu, CA 90401

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003

805 644 4455
FAX 644 4240

info@rinconconsultants.com
www.rinconconsultants.com

October 25, 2017
Project 15-01587

Craig George
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, CA 90401

**Subject:** **Third Quarter 2017 Baseline Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California**

Dear Mr. George:

Rincon Consultants, Inc. has prepared the Third Quarter 2017 Baseline Groundwater and Surface Water Monitoring Report for the Malibu Civic Center Wastewater Treatment Facility located in Malibu, California. The objective of the study is to develop baseline groundwater and surface water quality conditions prior to the operation of the Wastewater Treatment Facility. Once the Wastewater Treatment Facility is operating, the baseline water quality conditions will be used to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

Please contact us with any questions you may have regarding the results of the Third Quarter 2017 Baseline Groundwater and Surface Water Monitoring Report.

Sincerely,
**RINCON CONSULTANTS, INC.**

Walt Hamann, PG, CHG, CEG, QSD/P
Vice President

PROFESSIONAL GEOLOGIST
TORIN R. SNYDER
No. 8663
CHG
Exp. 12/31/17
STATE OF CALIFORNIA

Torin Snyder, PG, CHG, TOR, QSD/P
Senior Hydrogeologist

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment."

Executed on the 30th day of October at 2017



_____ Signature

Environmental Sustainability Director Title

# TABLE OF CONTENTS

1.0 Introduction ..... 1
2.0 Background ..... 1
3.0 Geologic and Hydrogeologic Setting ..... 3
3.1 Hydrology ..... 3
3.2 Geology ..... 3
3.3 Hydrogeology ..... 3
4.0 Activities Completed During Third Quarter 2017 ..... 4
5.0 Groundwater Elevations and Gradients ..... 4
5.1 Shallow Zone ..... 4
5.2 Deep Zone ..... 4
5.3 Winter Canyon ..... 5
6.0 Water Quality Sampling and Analysis ..... 5
6.1 Surface Water Sampling Methodology ..... 5
6.2 Groundwater Sampling Methodology ..... 5
6.3 Surface Water Analytical Laboratory Analysis ..... 6
6.3.1 Total Coliform ..... 6
6.3.2 Fecal Coliform ..... 6
6.3.3 Nitrogen ..... 6
6.3.4 Total Phosphorous ..... 7
6.3.5 Analytical Laboratory QA/QC ..... 8
6.4 Groundwater Analytical Laboratory Analysis ..... 8
6.4.1 Total Coliform ..... 8
6.4.2 Fecal Coliform ..... 8
6.4.3 Nitrogen ..... 8
6.4.4 Total Phosphorous ..... 8
6.4.5 Total Dissolved Solids ..... 9
6.4.6 Analytical Laboratory QA/QC ..... 9
7.0 Scheduled Activities for Fourth Quarter 2017 ..... 9
8.0 Summary of Monitoring Activities ..... 9
9.0 Limitations ..... 10
10.0 References ..... 11

**Tables**

Table 1 – Groundwater Elevations
Table 2 – Groundwater and Surface Water Analysis Matrix
Table 3 – Surface Water Analytical Results
Table 4 – Groundwater Analytical Results

**Figures**

Figure 1 – Vicinity Map
Figure 2 – Site Map – Civic Center Monitoring Locations
Figure 3 – Shallow Groundwater Elevations July 2017
Figure 4 – Shallow Groundwater Elevations August 2017
Figure 5 – Shallow Groundwater Elevations September 2017
Figure 6 – The Nitrogen Cycle

**Appendices**

Appendix A – Groundwater and Surface Water Field Sheets
Appendix B – Laboratory Analytical Reports

# 1.0 INTRODUCTION

This report presents the results of the Third Quarter 2017 Baseline Groundwater and Surface Water Monitoring events for the Malibu Civic Center Wastewater Treatment Facility located in the City of Malibu, California (Figure 1). The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water sampling methodologies, water quality data results, and our conclusions.

# 2.0 BACKGROUND

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu. As a result of regulatory actions taken by the Los Angeles Regional Water Quality Control Board (LARWQCB) and the State Water Resources Control Board (SWRCB) to prohibit discharges from OWDS in the Civic Center area, the City of Malibu has designed and begun constructing a new centralized wastewater treatment facility.

To establish baseline groundwater and surface water quality conditions prior to operation and discharge of treated wastewater, the LARWQCB requires basin–wide, baseline groundwater and surface water monitoring. The water quality monitoring program is driven by several factors:

- Timelines established through regulatory action
- Proposed programs to fulfill anticipated future regulatory requirements associated with the development of the Civic Center Wastewater Treatment Facility (CCWTF)
- The distribution of Title 22 Recycled Water in the Prohibition area
- Protection of the Malibu Valley Groundwater Basin, Malibu Creek, Malibu Lagoon, and the near shore environment of Santa Monica Bay.

At this time, the basin-wide monitoring program consists of five water quality monitoring tasks that occur in the Civic Center area of the City of Malibu. All five monitoring tasks have been designed to build upon one another to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task and a discussion of its key objective.

– *Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area*
The baseline groundwater and surface water quality monitoring task involves monitoring groundwater in nine shallow and deep groundwater wells, and monitoring surface water quality at ten locations. The objective of the monitoring in this task is to develop baseline, ambient shallow and deep groundwater and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042 issued by the LARWQCB (LARWQCB 2015).

– *Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area*

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine shallow and deep groundwater wells and monitoring surface water quality at ten locations. The objective of the long-term monitoring is to identify the impact that land disposal of recycled water, via injection and landscape irrigation or percolation, will have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon. The nine groundwater monitoring wells and ten surface water sampling locations identified in Task II will be sampled on a quarterly basis once CCWTF operations commence. This sampling is required by the MRP No. CI 10042 issued by the LARWQCB (LARWQCB 2015).

– *Task III – Salt and Nutrient Management Plan Monitoring Program*

The Salt and Nutrient Management Plan (SNMP) monitoring program branches off from the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at 16 groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City and in a small area in the unincorporated portion of Los Angeles County. The objective of the SNMP is to monitor the potential impacts that recycled water, introduced through irrigation and injection, will have on the Malibu Groundwater Basin. The SNMP will also provide data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

– *Task IV – Memorandum of Understanding Compliance Monitoring*

Compliance with the Memorandum of Understanding (MOU) the City has entered into with the LARWQCB corresponds with baseline and long term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at 14 groundwater wells located in the City's Civic Center area. The objective of the MOU is to monitor for potential impacts to the Shallow Alluvium as a result of CCTWF implementation (LARWQCB 2014).

– *Task V – Civic Center Groundwater Elevation Monitoring Program*

The groundwater elevation monitoring program has been designed to appraise the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon Groundwater Basin. The objective of this task is to provide a better understanding of the groundwater elevation conditions of the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

# 3.0 GEOLOGIC AND HYDROGEOLOGIC SETTING

## 3.1 HYDROLOGY

The project lies in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers two watersheds: the Malibu Creek and Winter Canyon Creek watersheds. The majority of the study area addressed in this report is located within the 109–square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, large-acreage residential properties, and many natural stream reaches (Los Angeles RWQCB 2011). Malibu Lagoon is located at the terminus of the Malibu Creek watershed. Malibu Lagoon is a brackish estuary of approximately 13 acres but is one of the only two remaining coastal marshes in Los Angeles County.

## 3.2 GEOLOGY

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south draining canyons on its south flank and short, north draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two significant canyons within the study area that drain to the south.

## 3.3 HYDROGEOLOGY

The Malibu Valley Groundwater Basin (DWR groundwater basin no. 4-22) is a small alluvial basin, approximately 613 acres in size. The groundwater basin is bounded by the Pacific Ocean on the south, and by the Santa Monica Mountains, composed of non-water-bearing Tertiary age rocks to the north, east, and west.

Water bearing geologic formations in the Malibu Valley Groundwater Basin are comprised of Holocene alluvium, consisting of clays, silts, sands, and gravels, overlying impermeable bedrock. The unconsolidated alluvium in the Civic Center area by Malibu Creek and other small drainages is estimated to range in thickness from a thin layer near the valley walls to around 175 feet in the central part of the main body of the alluvium. The alluvium can be subdivided into three categories or zones: 1) a shallow zone of permeable alluvial sediments, 2) underlain by a sequence of fine-grained estuarine deposits, and 3) and underlying coarse-grained stratum commonly referred to as the "Civic Center Gravels" (GeoSoils 1989, Leighton 1994, ECI 200, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 13 feet below grade and is deeper in the upland canyon areas.



# 4.0 ACTIVITIES COMPLETED DURING THIRD QUARTER 2017

The following activities were completed during the third quarter of 2017:

- Prepared and submitted the Second Quarter 2017 Groundwater and Surface Water Monitoring Reports to the LARWQCB.
- Rincon collected and analyzed surface water samples for MRP compliance (Task I).
- Rincon collected and analyzed groundwater samples for SNMP compliance (Task III).
- Rincon collected and analyzed groundwater samples for MOU compliance (Task IV).
- Rincon measured depth to water in the groundwater monitoring wells (Task V) July 2017, August 2017, and September 2017.

# 5.0 GROUNDWATER ELEVATIONS AND GRADIENTS

Rincon measured the depth to water monthly in 43 groundwater monitoring wells using an electronic water level indicator on July 28, 2017, August 25, 2017, and September 11, 2017 (Table 1 and Appendix A). Of the 43 groundwater monitoring wells, seven of the wells do not have elevation data for the top of well casing. Therefore, groundwater elevations could not be calculated in these seven groundwater wells. Groundwater monitoring well MCWP-MW05 was inaccessible during July and August 2017 due to construction of Malibu CCWTF.

## 5.1 SHALLOW ZONE

Groundwater elevations ranged from 4.53 feet referenced to NAVD88 (feet NAVD88) in groundwater monitoring well MCWP-MW08 to 24.44 feet NAVD88 in groundwater monitoring well SMBRP-8 (EC-RC-MW01) (Table 1). Groundwater elevation decreased a maximum of 1.22 feet NAVD88 in groundwater monitoring well MCBMW-9 and increased a maximum 2.33 feet NAVD88 in groundwater monitoring well MBCMW-7. In general, groundwater monitoring wells in close proximity to Malibu Creek and Lagoon observed decreasing elevations during the third quarter of 2017.

Groundwater gradients for July 2017, August 2017, and September 2017 are 0.0046 feet per foot, 0.0047 feet per foot, 0.0046 feet per foot, respectively. Groundwater gradients were calculated using monthly groundwater elevation data from groundwater monitoring wells SMBRP-9, SMBRP-12, and SMBRP-2. The predominant direction of groundwater flow ranged from southeast to south, towards the coastline. Elevation data and flow direction are depicted in Figures 3 through 5.

## 5.2 DEEP ZONE

Groundwater elevations ranged from 5.30 feet NAVD88 in groundwater monitoring well MCWP-MW07D to 10.54 feet NAVD88 in groundwater monitoring well MCWP-MW09 (Table 1). Groundwater elevation decreased a maximum of 0.47 feet NAVD88 in groundwater monitoring well MCWP-MW07D and increased a maximum 0.48 feet NAVD88 in groundwater monitoring well MCWP-MW09 when comparing monthly groundwater elevations during the



third quarter of 2017. The deep zone groundwater well elevations generally decreased in the third quarter of 2017.

## 5.3 WINTER CANYON

Groundwater elevations ranged from 9.85 feet NAVD88 in groundwater monitoring well SMBRP-11 to 55.47 feet NAVD88 in groundwater monitoring well LAMW-5S (Table 1). Groundwater elevations decreased a maximum of 0.69 feet NAVD88 in groundwater monitoring well LAMW-5S and increased a maximum 0.16 feet NAVD88 in groundwater monitoring well SMBRP-11 when comparing monthly groundwater elevations during the third quarter of 2017. An increasing trend in groundwater elevation was observed in LAMW-5S since fourth quarter of 2016 until July 2017 and August 2017.

# 6.0 WATER QUALITY SAMPLING AND ANALYSIS

## 6.1 SURFACE WATER SAMPLING METHODOLOGY

During the third quarter of 2017 a total of ten surface water samples were collected. Six surface water samples were collected from the Malibu Lagoon and Creek and four ocean water samples were collected from the near shore area along Malibu Road. Surface water samples from nearshore were collected from each location at a depth of approximately 3-6 inches (ankle deep). Surface water samples from Malibu Lagoon and Creek were collected from each location at a depth of approximately twelve inches below the surface of the water. All surface water samples were collected up-current of the sampling person's body to minimize the potential for contaminating the surface water sample with bacteria that may originate from field personnel. Surface water samples were collected in a field sampling container and then transferred into preserved and non-preserved containers supplied by Fruit Growers Laboratory, Inc. (FGL) located in Santa Paula, California. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler pending delivery to FGL. The surface water samples were analyzed for total and fecal coliform, phosphorous, nitrate (as nitrogen), nitrite (as nitrogen), ammonia, organic nitrogen, and total Kjeldahl nitrogen (TKN). All surface water monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analysis Matrix (Table 2).

## 6.2 GROUNDWATER SAMPLING METHODOLOGY

A total of fourteen groundwater samples were collected during the third quarter of 2017. Monitoring well MBCMW-09 was dry at the time of sampling and monitoring well TY-MW-1 was damaged and was not accessed during September 2017. Prior to sampling, a minimum of three casing volumes were purged from each well using a submersible pump. Purging stopped when consecutive water quality measurements (temperature, electrical conductivity, and pH) varied by less than 10 percent or until the well purged dry, which ever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water was stored in 55 gallon drums approved by Department of Transportation (DOT). Field data are included in Appendix A.



Once each well was purged, groundwater samples were collected using preserved and non-preserved containers supplied by FGL. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in coolers pending delivery to FGL. All groundwater monitoring locations and corresponding laboratory analysis are shown in the Groundwater and Surface Water Analysis Matrix (Table 2).

## 6.3 SURFACE WATER ANALYTICAL LABORATORY ANALYSIS

Surface water samples collected during the third quarter of 2017 were analyzed by FGL. The laboratory analytical results included constituents listed in Table 3. Laboratory reports are included as Appendix B of this report.

### 6.3.1 Total Coliform

During the third quarter of 2017 monitoring event, total coliform concentrations in the near shore ranged from 7.8 Most Probable Number per 100 milliliters (MPN/100 mL) at N-003 to 79 MPN/100 mL at N-004 with an average concentration of 29.4 MPN/100 mL. Total coliform concentrations in the surface water of Malibu Creek and Lagoon ranged from 920 MPN/100 mL at L-005 to greater than 1,600 MPN/100 mL at L-001, L-002, L-003, L-004 with an average concentration of 1,487.67 MPN/100 mL.

### 6.3.2 Fecal Coliform

During the third quarter of 2017 monitoring event, fecal coliform concentrations in the near shore ranged from less than 1.8 MPN/100 mL at N-001 and N-002 to 79 MPN/100 mL at N-004 with an average concentration of 20.7 MPN/100 mL. Fecal coliform concentrations in the Malibu Creek and Lagoon surface water ranged from 7.8 MPN/100 mL at L-002 to 130 MPN/100 mL at L-001 with an average concentration of 52.63 MPN/100 mL.

### 6.3.3 Nitrogen

#### 6.3.3.1 Nitrate as Nitrogen

Nitrate as nitrogen concentrations in all surface water samples collected at near shore sampling locations were less than 0.1 milligrams per liter (mg/L), the analytical practical quantification limit (reporting limit). Nitrate as nitrogen was only detected at L-001 at a concentration of 0.2 mg/L.

#### 6.3.3.2 Other Forms of Nitrogen

All nitrite as nitrogen concentrations in surface water samples collected at the near shore and Malibu Creek and Lagoon sampling locations were not detected above the reporting limit of 0.1 mg/L.

Ammonia ($NH_3^+$) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone (Figure 6). All ammonia concentrations in surface water samples collected at the near shore and the Malibu Creek and Lagoon sampling locations during the third quarter of 2017 were not detected above the reporting limit of 0.2 mg/L.

TKN concentrations in all surface water samples collected at near shore sampling locations during the third quarter of 2017 were not detected above the reporting limit of 0.5 mg/L. TKN concentrations detected in surface water samples collected at Malibu Creek and Lagoon sampling locations during the third quarter of 2017 ranged from 0.653 mg/L at L-004 to 1.76 mg/L at sampling location L-006 with an average concentration of 1.096 mg/L.

Organic nitrogen concentrations in surface water samples collected at near shore sampling locations during the third quarter of 2017 were not detected above the reporting limit of 0.5 mg/L. Organic nitrogen concentrations detected in surface water samples collected at the Malibu Creek and Lagoon sampling locations during the third quarter of 2017 ranged from less than 0.653 mg/L at sampling location L-004 to 1.76 mg/L at sampling locations L-006 with an average concentration of 1.096 mg/L.

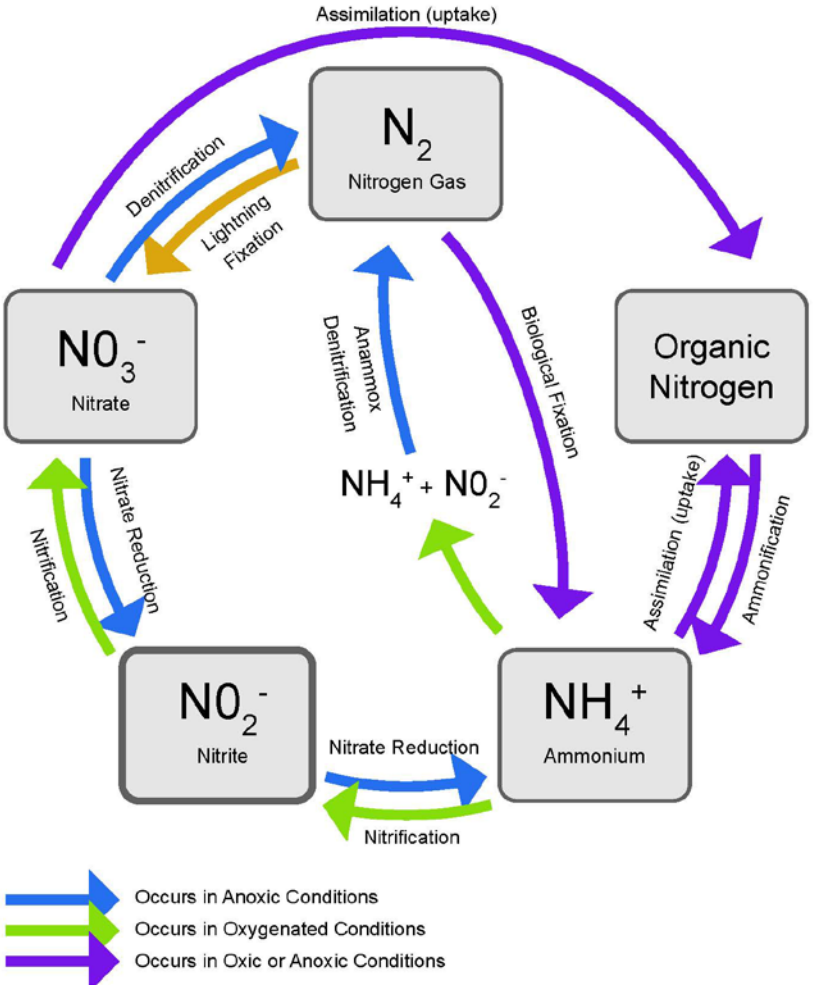



Figure 6. The Nitrogen Cycle

### 6.3.4 Total Phosphorous

Total phosphorus concentrations detected in surface water samples collected at near shore sampling locations during the third quarter of 2017 ranged from 1.15 mg/L at sampling location N-003 to 2.14 mg/L at sampling location N-002 with an average concentration of 1.80 mg/L.

Total phosphorus concentrations detected in surface water samples collected at Malibu Creek and Lagoon during the third quarter of 2017 ranged from 0.110 mg/L at L-006 to 0.186 mg/L at L-003 with an average concentration of 0.150 mg/L.

### 6.3.5 Analytical Laboratory QA/QC

FGL performed QA/QC measures including the recovery of surrogates. FGL followed all QA procedures per method requirements. Any exceedances are indicated in the Case Narrative of the analytical laboratory report. The Data Qualifier Flag (DQF) column of the analytical reports also has the QC flags; definitions for the QC flags are below the analytical tables.

## 6.4 GROUNDWATER ANALYTICAL LABORATORY ANALYSIS

Groundwater samples collected during the third quarter of 2017 were analyzed by FGL. The laboratory analytical results from the monitoring event include constituents listed in Table 4. Laboratory reports are included as Appendix B of this report.

### 6.4.1 Total Coliform

During the third quarter 2017 monitoring event, total coliform concentrations in groundwater wells ranged from less than 1.8 MPN/100 mL to greater than 1,600 MPN/100 mL at LAMW-5S with an average concentration of 138.6 MPN/100 mL.

### 6.4.2 Fecal Coliform

Fecal coliform concentrations in groundwater wells were only detected above the PQL of 1.8 MPN/100 mL in LAMW-5S with a detected concentration of 170 MPN/100mL.

### 6.4.3 Nitrogen

#### 6.4.3.1 Nitrate as Nitrogen

During the third quarter 2017 monitoring event, nitrate as nitrogen ranged from less than 0.1 mg/L at seven groundwater wells to 16.6 mg/L at SMBRP-9 with an average concentration of 3.18 mg/L. Groundwater wells LAMW-5S and SMBRP-9 had the highest detected nitrate as nitrogen concentrations of 16.4 mg/L and 16.6 mg/L, respectively.

#### 6.4.3.2 Other forms of Nitrogen

During the third quarter 2017 monitoring event, nitrite as nitrogen was not detected above the laboratory detection limit of 0.1 mg/L. Ammonia concentrations detected ranged from less than 0.2 mg/L to 5.65 mg/L with an average concentration of 0.84 mg/L.

Organic nitrogen concentrations was not detected above the laboratory detection limit of 0.1 mg/L. TKN concentrations ranged from less than 0.5 mg/L at multiple groundwater monitoring wells to 2.76 mg/L at SMBRP-12 with an average concentration of 0.56 mg/L.

### 6.4.4 Total Phosphorous

During the third quarter 2017 monitoring event total phosphorus concentrations in groundwater samples analyzed ranged from less than 0.1 mg/L at MCWP-MW10 to 5.38 mg/L at LAMW-5S with an average concentration of 0.768 mg/L.



### 6.4.5 Total Dissolved Solids

Total Dissolved Solids (TDS) concentrations in groundwater samples analyzed during the third quarter of 2017 ranged from 604 mg/L at LAMW-5S to 7,700 mg/L at CCPE with an average concentration of 3,308 mg/L.

### 6.4.6 Analytical Laboratory QA/QC

FGL performed QA/QC measures including the recovery of surrogates. FGL followed all QA procedures per method requirements. Any exceedances are indicated in the Case Narrative of the analytical laboratory report. The DQF column of the analytical reports also has the QC flags; definitions for the QC flags are below the analytical tables.

# 7.0 SCHEDULED ACTIVITIES FOR FOURTH QUARTER 2017

The following activities will be completed during the fourth quarter of 2017:

- Prepare and submit the Third Quarter 2017 Groundwater and Surface Water Monitoring Report to the LARWQCB.
- Rincon will collect and analyze surface water samples for MRP compliance (Task I).
- Rincon will measure depth to water in the groundwater monitoring wells in October, November, and December (Task V).

# 8.0 SUMMARY OF MONITORING ACTIVITIES

In general, groundwater elevations decreased in most shallow groundwater monitoring wells located in close proximity to Malibu Creek and Lagoon during the third quarter of 2017. Deep groundwater monitoring well elevations increased in July 2017 and decreased in August 2017 and September 2017.

In the four ocean water samples collected from the near shore area along Malibu Road, total and fecal coliform concentrations remained consistently low compared with concentrations from the second quarter of 2017, with the exception of N-004 which had concentrations of 79 MPN/100 mL for total and fecal coliform. All forms of nitrogen were not detected above their respective PQLs. Total phosphorus concentrations increased in all near shore sampling locations with the exception of N-004. These concentrations follow a general seasonal trend with the highest concentrations in the second and third quarters and the lowest concentrations in the first and fourth quarters.

In the six surface water samples collected from the Malibu Lagoon and Creek, total coliform concentrations increased in all locations with four of the samples exceeding the PQL of 1,600 MPN/100 mL. Fecal coliform concentrations decreased sharply at L-004 and L-005 and increased moderately at L-001, where the highest concentration was reported (130 MPN/100 mL). Nitrate nitrogen was only detected at L-001 at a concentration of 0.2 mg/L. Nitrite nitrogen and ammonia nitrogen were not detected above their respective PQLs. Ammonia nitrogen and TKN increased in all locations except for L-004. Total phosphorus concentrations decreased in sampling locations and ranged from 0.110 mg/L at L-006 to 0.186 mg/L at L-003.



Fourteen of the sixteen total groundwater monitoring wells were sampled during the third quarter of 2017, as MBCMW-09 was dry at the time of sampling and TY-MW-1 was damaged and inaccessible. Total coliform concentrations in groundwater wells ranged from less than 1.8 MPN/100 mL in five groundwater monitoring wells to greater than 1,600 MPN/100 mL at LAMW-5S with an average concentration of 138.6 MPN/100 mL. The concentrations at CCPE decreased substantially from >1,600 MPN/100 mL to 17 MPN/100 mL. Fecal coliform concentrations in groundwater wells were only detected above the PQL of 1.8 MPN/100 mL in LAMW-5S with a detected concentration of 170 MPN/100mL.

Nitrate as nitrogen concentrations ranged from less than 0.1 mg/L at seven groundwater wells to 16.6 mg/L at SMBRP-9 with an average concentration of 3.18 mg/L. Groundwater wells LAMW-5S and SMBRP-9 had the highest detected nitrate as nitrogen concentrations of 16.4 mg/L and 16.6 mg/L, respectively.

TDS concentrations in groundwater samples analyzed during the third quarter of 2017 ranged from 604 mg/L at LAMW-5S to 7,700 mg/L at CCPE with an average concentration of 3,308 mg/L. TDS concentrations increased in all but three groundwater monitoring wells when comparing concentrations to the second quarter 2017 sampling event.

# 9.0 LIMITATIONS

This report has been prepared for and is intended for the exclusive use of the City of Malibu. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

Our conclusions regarding the site are based on observations of existing site conditions, our interpretation of site usage information, and the results of a limited subsurface sampling and chemical testing program. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations intermediate to the locations sampled. Furthermore, conditions may change at any particular location as a function of time in response to natural conditions, chemical reactions, and other events. Conclusions regarding the condition of the site do not represent a warranty that all areas within the site are similar to those sampled.

# 10.0 REFERENCES

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Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| C-1 | 8/24/2015 | 11.47 | N/A | - |
| | 9/21/2015 | | N/A | - |
| | 10/20/2015 | | N/A | - |
| | 11/16/2015 | | 5.07 | 6.40 |
| | 12/14/2015 | | 4.12 | 7.35 |
| | 1/14/2016 | | 6.65 | 4.82 |
| | 2/16/2016 | | 6.65 | 4.82 |
| | 3/14/2016 | | 6.80 | 4.67 |
| | 4/25/2016 | | 5.72 | 5.75 |
| | 5/16/2016 | | 4.59 | 6.88 |
| | 6/17/2016 | | 4.72 | 6.75 |
| | 7/20/2016 | | 5.32 | 6.15 |
| | 8/20/2016 | | 5.42 | 6.05 |
| | 9/19/2016 | | 5.47 | 6.00 |
| | 10/21/2016 | | 5.64 | 5.83 |
| | 11/18/2016 | | 4.71 | 6.76 |
| | 12/19/2016 | | 6.75 | 4.72 |
| | 1/17/2017 | | 6.89 | 4.58 |
| | 2/24/2017 | | 7.28 | 4.19 |
| | 3/27/2017 | | 6.66 | 4.81 |
| | 4/17/2017 | | 7.32 | 4.15 |
| | 5/22/2017 | | 6.74 | 4.73 |
| | 6/20/2017 | | 4.49 | 6.98 |
| | 7/28/2017 | | 4.51 | 6.96 |
| | 8/25/2017 | | 4.61 | 6.86 |
| | 9/11/2017 | | 4.96 | 6.51 |
| C-2 | 8/24/2015 | 11.19 | 5.11 | 6.08 |
| | 9/21/2015 | | 4.92 | 6.27 |
| | 10/20/2015 | | 5.18 | 6.01 |
| | 11/16/2015 | | 4.96 | 6.23 |
| | 12/14/2015 | | 3.93 | 7.26 |
| | 1/14/2016 | | 6.44 | 4.75 |
| | 2/16/2016 | | 6.34 | 4.85 |
| | 3/14/2016 | | 6.50 | 4.69 |
| | 4/25/2016 | | 5.54 | 5.65 |
| | 5/16/2016 | | 4.49 | 6.70 |
| | 6/17/2016 | | 4.62 | 6.57 |
| | 7/20/2016 | | 5.16 | 6.03 |
| | 8/20/2016 | | 5.25 | 5.94 |
| | 9/19/2016 | | 5.21 | 5.98 |
| | 10/21/2016 | | 5.46 | 5.73 |
| | 11/18/2016 | | 4.48 | 6.71 |
| | 12/19/2016 | | 6.74 | 4.45 |
| | 1/17/2017 | | 6.51 | 4.68 |
| | 2/24/2017 | | 6.84 | 4.35 |
| | 3/27/2017 | | 6.55 | 4.64 |
| | 4/17/2017 | | 7.05 | 4.14 |
| | 5/22/2017 | | 6.54 | 4.65 |
| | 6/20/2017 | | 3.81 | 7.38 |
| | 7/28/2017 | | 4.37 | 6.82 |
| | 8/25/2017 | | 4.57 | 6.62 |
| | 9/11/2017 | | 4.86 | 6.33 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| CCPE | 8/24/2015 | 12.94 | 5.76 | 7.18 |
| | 9/21/2015 | | 5.61 | 7.33 |
| | 10/20/2015 | | 5.87 | 7.07 |
| | 11/16/2015 | | 5.79 | 7.15 |
| | 12/14/2015 | | 4.52 | 8.42 |
| | 1/14/2016 | | 7.95 | 4.99 |
| | 2/16/2016 | | 8.27 | 4.67 |
| | 3/14/2016 | | 8.35 | 4.59 |
| | 4/25/2016 | | 7.13 | 5.81 |
| | 5/16/2016 | | 5.72 | 7.22 |
| | 6/17/2016 | | 6.54 | 6.40 |
| | 7/20/2016 | | 6.09 | 6.85 |
| | 8/20/2016 | | 6.43 | 6.51 |
| | 9/19/2016 | | 6.80 | 6.14 |
| | 10/21/2016 | | 6.67 | 6.27 |
| | 11/18/2016 | | 5.61 | 7.33 |
| | 12/19/2016 | | 11.63 | 1.31 |
| | 1/17/2017 | | 8.38 | 4.56 |
| | 2/24/2017 | | 8.67 | 4.27 |
| | 3/27/2017 | | 8.21 | 4.73 |
| | 4/17/2017 | | 8.9 | 4.04 |
| | 5/22/2017 | | 8.25 | 4.69 |
| | 6/20/2017 | | 5.73 | 7.21 |
| | 7/28/2017 | | 5.47 | 7.47 |
| | 8/25/2017 | | 5.68 | 7.26 |
| | 9/11/2017 | | 6.00 | 6.94 |
| CCPNE | 8/24/2015 | 13.68 | 6.44 | 7.24 |
| | 9/21/2015 | | 6.27 | 7.41 |
| | 10/20/2015 | | 6.54 | 7.14 |
| | 11/16/2015 | | 6.74 | 6.94 |
| | 12/14/2015 | | 5.28 | 8.40 |
| | 1/14/2016 | | 8.51 | 5.17 |
| | 2/16/2016 | | 8.65 | 5.03 |
| | 3/14/2016 | | 8.65 | 5.03 |
| | 4/25/2016 | | 7.79 | 5.89 |
| | 5/16/2016 | | 6.39 | 7.29 |
| | 6/17/2016 | | 5.83 | 7.85 |
| | 7/20/2016 | | 6.79 | 6.89 |
| | 8/20/2016 | | 7.16 | 6.52 |
| | 9/19/2016 | | 7.52 | 6.16 |
| | 10/21/2016 | | 7.4 | 6.28 |
| | 11/18/2016 | | 6.32 | 7.36 |
| | 12/19/2016 | | 8.82 | 4.86 |
| | 1/17/2017 | | 8.66 | 5.02 |
| | 2/24/2017 | | 8.8 | 4.88 |
| | 3/27/2017 | | 9.37 | 4.31 |
| | 4/17/2017 | | 9.16 | 4.52 |
| | 5/22/2017 | | 8.97 | 4.71 |
| | 6/20/2017 | | 6.63 | 7.05 |
| | 7/28/2017 | | 6.26 | 7.42 |
| | 8/25/2017 | | 6.51 | 7.17 |
| | 9/11/2017 | | 6.81 | 6.87 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| CCPSW | 8/24/2015 | 13.67 | 6.29 | 7.38 |
| | 9/21/2015 | | 6.09 | 7.58 |
| | 10/20/2015 | | 6.35 | 7.32 |
| | 11/16/2015 | | 6.24 | 7.43 |
| | 12/14/2015 | | 5.27 | 8.40 |
| | 1/14/2016 | | 8.22 | 5.45 |
| | 2/16/2016 | | 8.11 | 5.56 |
| | 3/14/2016 | | 8.05 | 5.62 |
| | 4/25/2016 | | 7.50 | 6.17 |
| | 5/16/2016 | | 6.18 | 7.49 |
| | 6/17/2016 | | 6.26 | 7.41 |
| | 7/20/2016 | | 6.60 | 7.07 |
| | 8/20/2016 | | 6.92 | 6.75 |
| | 9/19/2016 | | 7.28 | 6.39 |
| | 10/21/2016 | | 7.17 | 6.50 |
| | 11/18/2016 | | 6.22 | 7.45 |
| | 12/19/2016 | | 8.34 | 5.33 |
| | 1/17/2017 | | 8.03 | 5.64 |
| | 2/24/2017 | | 8.27 | 5.40 |
| | 3/27/2017 | | 9.32 | 4.35 |
| | 4/17/2017 | | 8.64 | 5.03 |
| | 5/22/2017 | | 8.86 | 4.81 |
| | 6/20/2017 | | 6.59 | 7.08 |
| | 7/28/2017 | | 6.17 | 7.50 |
| | 8/25/2017 | | 6.47 | 7.20 |
| | 9/11/2017 | | 6.76 | 6.91 |
| CCW-4 | 8/24/2015 | 15.77 | 6.50 | 9.27 |
| | 9/21/2015 | | 6.71 | 9.06 |
| | 10/20/2015 | | 6.90 | 8.87 |
| | 11/16/2015 | | 7.02 | 8.75 |
| | 12/14/2015 | | 7.05 | 8.72 |
| | 1/14/2016 | | 6.19 | 9.58 |
| | 2/16/2016 | | 6.17 | 9.60 |
| | 3/14/2016 | | 5.72 | 10.05 |
| | 4/25/2016 | | 5.28 | 10.49 |
| | 5/16/2016 | | 6.45 | 9.32 |
| | 6/17/2016 | | 6.70 | 9.07 |
| | 7/20/2016 | | 7.07 | 8.70 |
| | 8/20/2016 | | 7.33 | 8.44 |
| | 9/19/2016 | | 7.56 | 8.21 |
| | 10/21/2016 | | 7.68 | 8.09 |
| | 11/18/2016 | | 7.84 | 7.93 |
| | 12/19/2016 | | 7.09 | 8.68 |
| | 1/17/2017 | | 4.97 | 10.80 |
| | 2/24/2017 | | 2.04 | 13.73 |
| | 3/27/2017 | | 2.92 | 12.85 |
| | 4/17/2017 | | 5.3 | 10.47 |
| | 5/22/2017 | | 5.72 | 10.05 |
| | 6/20/2017 | | 6.27 | 9.50 |
| | 7/28/2017 | | 7.30 | 8.47 |
| | 8/25/2017 | | 7.74 | 8.03 |
| | 9/11/2017 | | 7.76 | 8.01 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| GH6-M1 | 8/24/2015 | - | 28.92 | - |
| | 9/21/2015 | | 29.11 | - |
| | 10/20/2015 | | 29.24 | - |
| | 11/16/2015 | | 29.32 | - |
| | 12/14/2015 | | 29.43 | - |
| | 1/14/2016 | | 29.43 | - |
| | 2/16/2016 | | 29.56 | - |
| | 3/14/2016 | | 29.44 | - |
| | 4/25/2016 | | 29.46 | - |
| | 5/16/2016 | | 29.35 | - |
| | 6/17/2016 | | 29.20 | - |
| | 7/20/2016 | | 29.49 | - |
| | 8/20/2016 | | 29.58 | - |
| | 9/19/2016 | | 29.69 | - |
| | 10/21/2016 | | 29.85 | - |
| | 11/18/2016 | | 29.95 | - |
| | 12/19/2016 | | 30.05 | - |
| | 1/17/2017 | | 29.9 | - |
| | 2/24/2017 | | 28.74 | - |
| | 3/27/2017 | | 27.63 | - |
| | 4/17/2017 | | 26.91 | - |
| | 5/22/2017 | | 26.16 | - |
| | 6/20/2017 | | 26.13 | - |
| | 7/28/2017 | | 26.36 | - |
| | 8/25/2017 | | 26.61 | - |
| | 9/11/2017 | | 26.81 | - |
| GH8-M3 | 8/24/2015 | - | 28.37 | - |
| | 9/21/2015 | | 28.54 | - |
| | 10/20/2015 | | 28.69 | - |
| | 11/16/2015 | | 28.75 | - |
| | 12/14/2015 | | 28.78 | - |
| | 1/14/2016 | | 28.92 | - |
| | 2/16/2016 | | 28.96 | - |
| | 3/14/2016 | | 28.79 | - |
| | 4/25/2016 | | 28.78 | - |
| | 5/16/2016 | | 28.63 | - |
| | 6/17/2016 | | 28.67 | - |
| | 7/20/2016 | | 28.90 | - |
| | 8/20/2016 | | 29.08 | - |
| | 9/19/2016 | | 29.19 | - |
| | 10/21/2016 | | 29.36 | - |
| | 11/18/2016 | | 29.36 | - |
| | 12/19/2016 | | 29.44 | - |
| | 1/17/2017 | | 29.27 | - |
| | 2/24/2017 | | 27.8 | - |
| | 3/27/2017 | | 26.22 | - |
| | 4/17/2017 | | 25.44 | - |
| | 5/22/2017 | | 25.13 | - |
| | 6/20/2017 | | 25.38 | - |
| | 7/28/2017 | | 25.84 | - |
| | 8/25/2017 | | 26.13 | - |
| | 9/11/2017 | | 26.33 | - |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| GH9-M4 | 8/24/2015 | - | 30.31 | - |
| | 9/21/2015 | | 30.54 | - |
| | 10/20/2015 | | 30.66 | - |
| | 11/16/2015 | | 30.75 | - |
| | 12/14/2015 | | 30.86 | - |
| | 1/14/2016 | | 34.54 | - |
| | 2/16/2016 | | 31.12 | - |
| | 3/14/2016 | | 31.07 | - |
| | 4/25/2016 | | 34.32 | - |
| | 5/16/2016 | | 32.80 | - |
| | 6/17/2016 | | 30.56 | - |
| | 7/20/2016 | | 30.90 | - |
| | 8/20/2016 | | 31.09 | - |
| | 9/19/2016 | | 31.18 | - |
| | 10/21/2016 | | 31.29 | - |
| | 11/18/2016 | | 30.87 | - |
| | 12/19/2016 | | 31.11 | - |
| | 1/17/2017 | | 30.79 | - |
| | 2/24/2017 | | 30.53 | - |
| | 3/27/2017 | | 24.94 | - |
| | 4/17/2017 | | 24.79 | - |
| | 5/22/2017 | | 29.08 | - |
| | 6/20/2017 | | 26.3 | - |
| | 7/28/2017 | | 27.14 | - |
| | 8/25/2017 | | 27.57 | - |
| | 9/11/2017 | | 27.67 | - |
| M6-1 | 8/24/2015 | - | 6.61 | - |
| | 9/21/2015 | | 6.43 | - |
| | 10/20/2015 | | 6.72 | - |
| | 11/16/2015 | | 6.68 | - |
| | 12/14/2015 | | 6.35 | - |
| | 1/14/2016 | | 6.63 | - |
| | 2/16/2016 | | 7.03 | - |
| | 3/14/2016 | | 6.45 | - |
| | 4/25/2016 | | 7.15 | - |
| | 5/16/2016 | | 6.85 | - |
| | 6/17/2016 | | 7.04 | - |
| | 7/20/2016 | | 7.34 | - |
| | 8/20/2016 | | 7.61 | - |
| | 9/19/2016 | | 7.87 | - |
| | 10/21/2016 | | 7.83 | - |
| | 11/18/2016 | | 7.19 | - |
| | 12/19/2016 | | 7.26 | - |
| | 1/17/2017 | | 5.81 | - |
| | 2/24/2017 | | 4.96 | - |
| | 3/27/2017 | | 7.17 | - |
| | 4/17/2017 | | 6.77 | - |
| | 5/22/2017 | | 7.74 | - |
| | 6/20/2017 | | 7.14 | - |
| | 7/28/2017 | | 6.97 | - |
| | 8/25/2017 | | 7.14 | - |
| | 9/11/2017 | | 7.18 | - |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| M6-2 | 8/24/2015 | - | 5.76 | - |
| | 9/21/2015 | | 5.75 | - |
| | 10/20/2015 | | 6.08 | - |
| | 11/16/2015 | | 6.17 | - |
| | 12/14/2015 | | 6.12 | - |
| | 1/14/2016 | | 4.69 | - |
| | 2/16/2016 | | 5.46 | - |
| | 3/14/2016 | | 4.27 | - |
| | 4/25/2016 | | 5.51 | - |
| | 5/16/2016 | | 5.74 | - |
| | 6/17/2016 | | 5.94 | - |
| | 7/20/2016 | | 6.21 | - |
| | 8/20/2016 | | 6.42 | - |
| | 9/19/2016 | | 6.61 | - |
| | 10/21/2016 | | 6.82 | - |
| | 11/18/2016 | | 6.96 | - |
| | 12/19/2016 | | 5.93 | - |
| | 1/17/2017 | | 3.05 | - |
| | 2/24/2017 | | 1.75 | - |
| | 3/27/2017 | | 3.87 | - |
| | 4/17/2017 | | 4.8 | - |
| | 5/22/2017 | | 5.98 | - |
| | 6/20/2017 | | 6.45 | - |
| | 7/28/2017 | | 6.55 | - |
| | 8/25/2017 | | 6.58 | - |
| | 9/11/2017 | | 6.30 | - |
| M7-1 | 8/24/2015 | - | 8.09 | - |
| | 9/21/2015 | | 8.12 | - |
| | 10/20/2015 | | 8.40 | - |
| | 11/16/2015 | | 8.48 | - |
| | 12/14/2015 | | 8.30 | - |
| | 1/14/2016 | | 8.04 | - |
| | 2/16/2016 | | 8.36 | - |
| | 3/14/2016 | | 7.83 | - |
| | 4/25/2016 | | 8.46 | - |
| | 5/16/2016 | | 8.17 | - |
| | 6/17/2016 | | 8.22 | - |
| | 7/20/2016 | | 8.54 | - |
| | 8/20/2016 | | 8.74 | - |
| | 9/19/2016 | | 8.88 | - |
| | 10/21/2016 | | 9.01 | - |
| | 11/18/2016 | | 8.98 | - |
| | 12/19/2016 | | 8.68 | - |
| | 1/17/2017 | | 6.94 | - |
| | 2/24/2017 | | 5.13 | - |
| | 3/27/2017 | | 6.71 | - |
| | 4/17/2017 | | 7.52 | - |
| | 5/22/2017 | | 8.28 | - |
| | 6/20/2017 | | 8.22 | - |
| | 7/28/2017 | | 8.37 | - |
| | 8/25/2017 | | 8.61 | - |
| | 9/11/2017 | | 8.76 | - |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| M7-2 | 8/24/2015 | - | 7.78 | - |
| | 9/21/2015 | | 7.91 | - |
| | 10/20/2015 | | 8.15 | - |
| | 11/16/2015 | | 8.27 | - |
| | 12/14/2015 | | 8.28 | - |
| | 1/14/2016 | | 7.34 | - |
| | 2/16/2016 | | 7.74 | - |
| | 3/14/2016 | | 7.03 | - |
| | 4/25/2016 | | 7.84 | - |
| | 5/16/2016 | | 7.70 | - |
| | 6/17/2016 | | 7.77 | - |
| | 7/20/2016 | | 8.05 | - |
| | 8/20/2016 | | 8.26 | - |
| | 9/19/2016 | | 8.42 | - |
| | 10/21/2016 | | 8.64 | - |
| | 11/18/2016 | | 8.88 | - |
| | 12/19/2016 | | 8.21 | - |
| | 1/17/2017 | | 5.91 | - |
| | 2/24/2017 | | 3.56 | - |
| | 3/27/2017 | | 5.29 | - |
| | 4/17/2017 | | 6.88 | - |
| | 5/22/2017 | | 7.73 | - |
| | 6/20/2017 | | 8.07 | - |
| | 7/28/2017 | | 8.28 | - |
| | 8/25/2017 | | 8.58 | - |
| | 9/11/2017 | | 7.45 | - |
| MBCMW-7 | 8/24/2015 | 16.64 | 11.26 | 5.38 |
| | 9/21/2015 | | 10.94 | 5.70 |
| | 10/20/2015 | | 11.09 | 5.55 |
| | 11/16/2015 | | 11.11 | 5.53 |
| | 12/14/2015 | | 10.27 | 6.37 |
| | 1/14/2016 | | 11.39 | 5.25 |
| | 2/16/2016 | | 11.75 | 4.89 |
| | 3/14/2016 | | 11.55 | 5.09 |
| | 4/25/2016 | | 11.44 | 5.20 |
| | 5/16/2016 | | 11.22 | 5.42 |
| | 6/17/2016 | | 11.71 | 4.93 |
| | 7/20/2016 | | 12.12 | 4.52 |
| | 8/20/2016 | | 12.27 | 4.37 |
| | 9/19/2016 | | 12.65 | 3.99 |
| | 10/21/2016 | | 12.32 | 4.32 |
| | 11/18/2016 | | 10.31 | 6.33 |
| | 12/19/2016 | | 11.65 | 4.99 |
| | 1/17/2017 | | 11.29 | 5.35 |
| | 2/24/2017 | | 10.96 | 5.68 |
| | 3/27/2017 | | 12.84 | 3.80 |
| | 4/17/2017 | | 11.89 | 4.75 |
| | 5/22/2017 | | 12.56 | 4.08 |
| | 6/20/2017 | | 11.57 | 5.07 |
| | 7/28/2017 | | 11.35 | 5.29 |
| | 8/25/2017 | | 11.61 | 5.03 |
| | 9/11/2017 | | 9.28 | 7.36 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| MBCMW-8 | 8/24/2015 | 16.53 | 9.11 | 7.42 |
| | 9/21/2015 | | 9.13 | 7.40 |
| | 10/20/2015 | | 9.44 | 7.09 |
| | 11/16/2015 | | 9.58 | 6.95 |
| | 12/14/2015 | | 9.59 | 6.94 |
| | 1/14/2016 | | 8.05 | 8.48 |
| | 2/16/2016 | | 8.66 | 7.87 |
| | 3/14/2016 | | 7.36 | 9.17 |
| | 4/25/2016 | | 8.54 | 7.99 |
| | 5/16/2016 | | 8.89 | 7.64 |
| | 6/17/2016 | | 9.16 | 7.37 |
| | 7/20/2016 | | 9.46 | 7.07 |
| | 8/20/2016 | | 9.73 | 6.80 |
| | 9/19/2016 | | 9.99 | 6.54 |
| | 10/21/2016 | | 10.02 | 6.51 |
| | 11/18/2016 | | 10.11 | 6.42 |
| | 12/19/2016 | | 9.61 | 6.92 |
| | 1/17/2017 | | 7.03 | 9.50 |
| | 2/24/2017 | | 4.41 | 12.12 |
| | 3/27/2017 | | 6.13 | 10.40 |
| | 4/17/2017 | | 7.45 | 9.08 |
| | 5/22/2017 | | 7.89 | 8.64 |
| | 6/20/2017 | | 8.82 | 7.71 |
| | 7/28/2017 | | 9.57 | 6.96 |
| | 8/25/2017 | | 9.76 | 6.77 |
| | 9/11/2017 | | 10.03 | 6.50 |
| MBCMW-9 | 8/24/2015 | 17.71 | 8.70 | 9.01 |
| | 9/21/2015 | | 8.83 | 8.88 |
| | 10/20/2015 | | 9.00 | 8.71 |
| | 11/16/2015 | | 9.09 | 8.62 |
| | 12/14/2015 | | 9.09 | 8.62 |
| | 1/14/2016 | | 8.30 | 9.41 |
| | 2/16/2016 | | 8.06 | 9.65 |
| | 3/14/2016 | | 7.83 | 9.88 |
| | 4/25/2016 | | 8.21 | 9.50 |
| | 5/16/2016 | | 8.40 | 9.31 |
| | 6/17/2016 | | 8.64 | 9.07 |
| | 7/20/2016 | | 8.78 | 8.93 |
| | 8/20/2016 | | 8.80 | 8.91 |
| | 9/19/2016 | | 8.80 | 8.91 |
| | 10/21/2016 | | 9.29 | 8.42 |
| | 11/18/2016 | | 9.15 | 8.56 |
| | 12/19/2016 | | 8.75 | 8.96 |
| | 1/17/2017 | | 8.06 | 9.65 |
| | 2/24/2017 | | 5.11 | 12.60 |
| | 3/27/2017 | | 5.44 | 12.27 |
| | 4/17/2017 | | 5.99 | 11.72 |
| | 5/22/2017 | | 6.28 | 11.43 |
| | 6/20/2017 | | 6.76 | 10.95 |
| | 7/28/2017 | | 7.98 | 9.73 |
| | 8/25/2017 | | 8.31 | 9.40 |
| | 9/11/2017 | | 8.67 | 9.04 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| MBCMW-10 | 8/24/2015 | 17.74 | 8.63 | 9.11 |
| | 9/21/2015 | | 8.20 | 9.54 |
| | 10/20/2015 | | 8.40 | 9.34 |
| | 11/16/2015 | | 8.35 | 9.39 |
| | 12/14/2015 | | 7.34 | 10.40 |
| | 1/14/2016 | | 8.82 | 8.92 |
| | 2/16/2016 | | 9.34 | 8.40 |
| | 3/14/2016 | | 8.97 | 8.77 |
| | 4/25/2016 | | 9.22 | 8.52 |
| | 5/16/2016 | | 8.75 | 8.99 |
| | 6/17/2016 | | 8.58 | 9.16 |
| | 7/20/2016 | | 9.29 | 8.45 |
| | 8/20/2016 | | 9.52 | 8.22 |
| | 9/19/2016 | | 9.85 | 7.89 |
| | 10/21/2016 | | 9.67 | 8.07 |
| | 11/18/2016 | | 8.31 | 9.43 |
| | 12/19/2016 | | 8.97 | 8.77 |
| | 1/17/2017 | | 8.67 | 9.07 |
| | 2/24/2017 | | 8.55 | 9.19 |
| | 3/27/2017 | | 10.12 | 7.62 |
| | 4/17/2017 | | 9.43 | 8.31 |
| | 5/22/2017 | | 10.07 | 7.67 |
| | 6/20/2017 | | 8.87 | 8.87 |
| | 7/28/2017 | | 8.84 | 8.90 |
| | 8/25/2017 | | 8.92 | 8.82 |
| | 9/11/2017 | | 8.41 | 9.33 |
| MCWP-MW04S | 8/24/2015 | 15.29 | 7.55 | 7.74 |
| | 9/21/2015 | | 7.67 | 7.62 |
| | 10/20/2015 | | 7.85 | 7.44 |
| | 11/16/2015 | | 7.99 | 7.30 |
| | 12/14/2015 | | 8.06 | 7.23 |
| | 1/14/2016 | | 6.48 | 8.81 |
| | 2/16/2016 | | 7.08 | 8.21 |
| | 3/14/2016 | | 5.92 | 9.37 |
| | 4/25/2016 | | 7.10 | 8.19 |
| | 5/16/2016 | | 7.36 | 7.93 |
| | 6/17/2016 | | 7.64 | 7.65 |
| | 7/20/2016 | | 7.95 | 7.34 |
| | 8/20/2016 | | 8.18 | 7.11 |
| | 9/19/2016 | | 8.35 | 6.94 |
| | 10/21/2016 | | 8.88 | 6.41 |
| | 11/18/2016 | | 8.4 | 6.89 |
| | 12/19/2016 | | 8.67 | 6.62 |
| | 1/17/2017 | | 6.62 | 8.67 |
| | 2/24/2017 | | 3.34 | 11.95 |
| | 3/27/2017 | | 5.2 | 10.09 |
| | 4/17/2017 | | 6.19 | 9.10 |
| | 5/22/2017 | | 6.73 | 8.56 |
| | 6/20/2017 | | 7.41 | 7.88 |
| | 7/28/2017 | | 7.91 | 7.38 |
| | 8/25/2017 | | 8.08 | 7.21 |
| | 9/11/2017 | | 7.87 | 7.42 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| MCWP-MW07S | 8/24/2015 | 13.72 | 6.76 | 6.96 |
| | 9/21/2015 | | 7.13 | 6.59 |
| | 10/20/2015 | | 6.44 | 7.28 |
| | 11/16/2015 | | 6.74 | 6.98 |
| | 12/14/2015 | | 6.56 | 7.16 |
| | 1/14/2016 | | 6.19 | 7.53 |
| | 2/16/2016 | | 6.75 | 6.97 |
| | 3/14/2016 | | 5.85 | 7.87 |
| | 4/25/2016 | | 6.49 | 7.23 |
| | 5/16/2016 | | 6.73 | 6.99 |
| | 6/17/2016 | | N/A | - |
| | 7/20/2016 | | 6.18 | 7.54 |
| | 8/20/2016 | | 6.25 | 7.47 |
| | 9/19/2016 | | 6.48 | 7.24 |
| | 10/21/2016 | | 6.61 | 7.11 |
| | 11/18/2016 | | 6.7 | 7.02 |
| | 12/19/2016 | | 6.67 | 7.05 |
| | 1/17/2017 | | 6.11 | 7.61 |
| | 2/24/2017 | | N/A | - |
| | 3/27/2017 | | N/A | - |
| | 4/17/2017 | | N/A | - |
| | 5/22/2017 | | N/A | - |
| | 6/20/2017 | | N/A | - |
| | 7/28/2017 | | 5.79 | 7.93 |
| | 8/25/2017 | | 6.09 | 7.63 |
| | 9/11/2017 | | 6.02 | 7.70 |
| MCWP-MW08 | 8/24/2015 | 12.21 | 7.64 | 4.57 |
| | 9/21/2015 | | 7.42 | 4.79 |
| | 10/20/2015 | | 7.61 | 4.60 |
| | 11/16/2015 | | 7.40 | 4.81 |
| | 12/14/2015 | | 6.62 | 5.59 |
| | 1/14/2016 | | 8.46 | 3.75 |
| | 2/16/2016 | | 8.27 | 3.94 |
| | 3/14/2016 | | 7.96 | 4.25 |
| | 4/25/2016 | | 7.83 | 4.38 |
| | 5/16/2016 | | 6.87 | 5.34 |
| | 6/17/2016 | | 6.97 | 5.24 |
| | 7/20/2016 | | 7.76 | 4.45 |
| | 8/20/2016 | | 7.77 | 4.44 |
| | 9/19/2016 | | 7.74 | 4.47 |
| | 10/21/2016 | | 8.00 | 4.21 |
| | 11/18/2016 | | 7.27 | 4.94 |
| | 12/19/2016 | | 8.57 | 3.64 |
| | 1/17/2017 | | 8.00 | 4.21 |
| | 2/24/2017 | | 8.77 | 3.44 |
| | 3/27/2017 | | 8.81 | 3.40 |
| | 4/17/2017 | | 8.74 | 3.47 |
| | 5/22/2017 | | 9.04 | 3.17 |
| | 6/20/2017 | | 7.47 | 4.74 |
| | 7/28/2017 | | 7.21 | 5.00 |
| | 8/25/2017 | | 7.40 | 4.81 |
| | 9/11/2017 | | 7.68 | 4.53 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| MCWP-MW10 | 8/24/2015 | 11.11 | 5.70 | 5.41 |
| | 9/21/2015 | | 5.55 | 5.56 |
| | 10/20/2015 | | 5.81 | 5.30 |
| | 11/16/2015 | | 5.74 | 5.37 |
| | 12/14/2015 | | 4.59 | 6.52 |
| | 1/14/2016 | | 8.09 | 3.02 |
| | 2/16/2016 | | 7.98 | 3.13 |
| | 3/14/2016 | | 8.04 | 3.07 |
| | 4/25/2016 | | 7.07 | 4.04 |
| | 5/16/2016 | | 5.63 | 5.48 |
| | 6/17/2016 | | 5.73 | 5.38 |
| | 7/20/2016 | | 6.02 | 5.09 |
| | 8/20/2016 | | 6.34 | 4.77 |
| | 9/19/2016 | | 6.70 | 4.41 |
| | 10/21/2016 | | 6.61 | 4.50 |
| | 11/18/2016 | | 5.57 | 5.54 |
| | 12/19/2016 | | N/A | - |
| | 1/17/2017 | | 8.11 | 3.00 |
| | 2/24/2017 | | 8.45 | 2.66 |
| | 3/27/2017 | | 8.7 | 2.41 |
| | 4/17/2017 | | 8.58 | 2.53 |
| | 5/22/2017 | | 8.26 | 2.85 |
| | 6/20/2017 | | 5.7 | 5.41 |
| | 7/28/2017 | | 5.43 | 5.68 |
| | 8/25/2017 | | 5.64 | 5.47 |
| | 9/11/2017 | | 6.10 | 5.01 |
| P-4 | 8/24/2015 | 12.16 | 4.58 | 7.58 |
| | 9/21/2015 | | 4.47 | 7.69 |
| | 10/20/2015 | | 4.71 | 7.45 |
| | 11/16/2015 | | 4.65 | 7.51 |
| | 12/14/2015 | | 3.52 | 8.64 |
| | 1/14/2016 | | 6.93 | 5.23 |
| | 2/16/2016 | | 6.88 | 5.28 |
| | 3/14/2016 | | 6.92 | 5.24 |
| | 4/25/2016 | | 6.00 | 6.16 |
| | 5/16/2016 | | 4.57 | 7.59 |
| | 6/17/2016 | | 4.68 | 7.48 |
| | 7/20/2016 | | 4.95 | 7.21 |
| | 8/20/2016 | | 5.27 | 6.89 |
| | 9/19/2016 | | 5.63 | 6.53 |
| | 10/21/2016 | | 5.55 | 6.61 |
| | 11/18/2016 | | 4.51 | 7.65 |
| | 12/19/2016 | | 7.17 | 4.99 |
| | 1/17/2017 | | 6.98 | 5.18 |
| | 2/24/2017 | | 7.12 | 5.04 |
| | 3/27/2017 | | 7.71 | 4.45 |
| | 4/17/2017 | | 7.48 | 4.68 |
| | 5/22/2017 | | 7.22 | 4.94 |
| | 6/20/2017 | | 4.72 | 7.44 |
| | 7/28/2017 | | 4.35 | 7.81 |
| | 8/25/2017 | | 4.61 | 7.55 |
| | 9/11/2017 | | 4.94 | 7.22 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| P-9 | 8/24/2015 | 12.17 | 5.07 | 7.10 |
| | 9/21/2015 | | 4.90 | 7.27 |
| | 10/20/2015 | | 5.18 | 6.99 |
| | 11/16/2015 | | 5.08 | 7.09 |
| | 12/14/2015 | | 3.92 | 8.25 |
| | 1/14/2016 | | 7.49 | 4.68 |
| | 2/16/2016 | | 7.53 | 4.64 |
| | 3/14/2016 | | 7.66 | 4.51 |
| | 4/25/2016 | | 6.49 | 5.68 |
| | 5/16/2016 | | 5.02 | 7.15 |
| | 6/17/2016 | | 5.09 | 7.08 |
| | 7/20/2016 | | 5.34 | 6.83 |
| | 8/20/2016 | | 5.70 | 6.47 |
| | 9/19/2016 | | 6.06 | 6.11 |
| | 10/21/2016 | | 6.01 | 6.16 |
| | 11/18/2016 | | 4.91 | 7.26 |
| | 12/19/2016 | | 7.81 | 4.36 |
| | 1/17/2017 | | 7.68 | 4.49 |
| | 2/24/2017 | | 7.82 | 4.35 |
| | 3/27/2017 | | 8.00 | 4.17 |
| | 4/17/2017 | | 8.16 | 4.01 |
| | 5/22/2017 | | 7.59 | 4.58 |
| | 6/20/2017 | | 5.03 | 7.14 |
| | 7/28/2017 | | 4.77 | 7.40 |
| | 8/25/2017 | | 4.95 | 7.22 |
| | 9/11/2017 | | 5.37 | 6.80 |
| SMBRP-2 | 8/24/2015 | 13.13 | 6.04 | 7.09 |
| | 9/21/2015 | | 5.91 | 7.22 |
| | 10/20/2015 | | 6.16 | 6.97 |
| | 11/16/2015 | | 6.09 | 7.04 |
| | 12/14/2015 | | 4.84 | 8.29 |
| | 1/14/2016 | | 8.80 | 4.33 |
| | 2/16/2016 | | 8.54 | 4.59 |
| | 3/14/2016 | | 8.58 | 4.55 |
| | 4/25/2016 | | 7.59 | 5.54 |
| | 5/16/2016 | | 6.07 | 7.06 |
| | 6/17/2016 | | 6.14 | 6.99 |
| | 7/20/2016 | | 6.36 | 6.77 |
| | 8/20/2016 | | 6.73 | 6.40 |
| | 9/19/2016 | | 7.11 | 6.02 |
| | 10/21/2016 | | 6.98 | 6.15 |
| | 11/18/2016 | | 5.94 | 7.19 |
| | 12/19/2016 | | 8.87 | 4.26 |
| | 1/17/2017 | | 8.64 | 4.49 |
| | 2/24/2017 | | 8.94 | 4.19 |
| | 3/27/2017 | | 9.25 | 3.88 |
| | 4/17/2017 | | 9.15 | 3.98 |
| | 5/22/2017 | | 8.68 | 4.45 |
| | 6/20/2017 | | 5.78 | 7.35 |
| | 7/28/2017 | | 5.58 | 7.55 |
| | 8/25/2017 | | 5.74 | 7.39 |
| | 9/11/2017 | | 6.17 | 6.96 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| SMBRP-6 | 8/24/2015 | 26.88 | 16.49 | 10.39 |
| | 9/21/2015 | | 15.95 | 10.93 |
| | 10/20/2015 | | 16.66 | 10.22 |
| | 11/16/2015 | | 16.47 | 10.41 |
| | 12/14/2015 | | 14.78 | 12.10 |
| | 1/14/2016 | | 14.68 | 12.20 |
| | 2/16/2016 | | 15.22 | 11.66 |
| | 3/14/2016 | | 14.43 | 12.45 |
| | 4/25/2016 | | 16.60 | 10.28 |
| | 5/16/2016 | | 16.81 | 10.07 |
| | 6/17/2016 | | 17.87 | 9.01 |
| | 7/20/2016 | | 18.52 | 8.36 |
| | 8/20/2016 | | 19.01 | 7.87 |
| | 9/19/2016 | | 19.61 | 7.27 |
| | 10/21/2016 | | 18.13 | 8.75 |
| | 11/18/2016 | | 16.12 | 10.76 |
| | 12/19/2016 | | 14.46 | 12.42 |
| | 1/17/2017 | | 14.14 | 12.74 |
| | 2/24/2017 | | 13.14 | 13.74 |
| | 3/27/2017 | | 15.01 | 11.87 |
| | 4/17/2017 | | 14.79 | 12.09 |
| | 5/22/2017 | | 15.44 | 11.44 |
| | 6/20/2017 | | 15.87 | 11.01 |
| | 7/28/2017 | | 16.32 | 10.56 |
| | 8/25/2017 | | 16.39 | 10.49 |
| | 9/11/2017 | | 16.48 | 10.40 |
| SMBRP-7B | 8/24/2015 | 18.99 | 10.69 | 8.30 |
| | 9/21/2015 | | 10.62 | 8.37 |
| | 10/20/2015 | | 10.77 | 8.22 |
| | 11/16/2015 | | 10.78 | 8.21 |
| | 12/14/2015 | | 10.60 | 8.39 |
| | 1/14/2016 | | 10.83 | 8.16 |
| | 2/16/2016 | | 11.08 | 7.91 |
| | 3/14/2016 | | 10.84 | 8.15 |
| | 4/25/2016 | | 11.23 | 7.76 |
| | 5/16/2016 | | 11.04 | 7.95 |
| | 6/17/2016 | | 11.08 | 7.91 |
| | 7/20/2016 | | 11.31 | 7.68 |
| | 8/20/2016 | | 11.54 | 7.45 |
| | 9/19/2016 | | 11.68 | 7.31 |
| | 10/21/2016 | | 11.81 | 7.18 |
| | 11/18/2016 | | 11.49 | 7.50 |
| | 12/19/2016 | | 11.33 | 7.66 |
| | 1/17/2017 | | 10.18 | 8.81 |
| | 2/24/2017 | | 8.13 | 10.86 |
| | 3/27/2017 | | 9.68 | 9.31 |
| | 4/17/2017 | | 9.90 | 9.09 |
| | 5/22/2017 | | 10.51 | 8.48 |
| | 6/20/2017 | | 10.71 | 8.28 |
| | 7/28/2017 | | 10.99 | 8.00 |
| | 8/25/2017 | | 11.66 | 7.33 |
| | 9/11/2017 | | 11.86 | 7.13 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| SMBRP-8 (EC-RC-MW01) | 8/24/2015 | 48.69 | 28.74 | 19.95 |
| | 9/21/2015 | | 29.02 | 19.67 |
| | 10/20/2015 | | 28.76 | 19.93 |
| | 11/16/2015 | | 29.38 | 19.31 |
| | 12/14/2015 | | 29.32 | 19.37 |
| | 1/14/2016 | | 28.93 | 19.76 |
| | 2/16/2016 | | 29.18 | 19.51 |
| | 3/14/2016 | | 28.76 | 19.93 |
| | 4/25/2016 | | 29.40 | 19.29 |
| | 5/16/2016 | | 29.18 | 19.51 |
| | 6/17/2016 | | 29.38 | 19.31 |
| | 7/20/2016 | | 29.73 | 18.96 |
| | 8/20/2016 | | 30.02 | 18.67 |
| | 9/19/2016 | | 30.64 | 18.05 |
| | 10/21/2016 | | 31.02 | 17.67 |
| | 11/18/2016 | | 31.16 | 17.53 |
| | 12/19/2016 | | 30.83 | 17.86 |
| | 1/17/2017 | | 29.49 | 19.20 |
| | 2/24/2017 | | 26.78 | 21.91 |
| | 3/27/2017 | | 25.21 | 23.48 |
| | 4/17/2017 | | 24.34 | 24.35 |
| | 5/22/2017 | | 23.31 | 25.38 |
| | 6/20/2017 | | 23.54 | 25.15 |
| | 7/28/2017 | | 24.25 | 24.44 |
| | 8/25/2017 | | 24.98 | 23.71 |
| | 9/11/2017 | | 25.30 | 23.39 |
| SMBRP-9 | 8/24/2015 | 50.32 | 38.24 | 12.08 |
| | 9/21/2015 | | 38.46 | 11.86 |
| | 10/20/2015 | | 38.62 | 11.70 |
| | 11/16/2015 | | N/A | - |
| | 12/14/2015 | | 38.86 | 11.46 |
| | 1/14/2016 | | 38.95 | 11.37 |
| | 2/16/2016 | | 39.03 | 11.29 |
| | 3/14/2016 | | 38.97 | 11.35 |
| | 4/25/2016 | | 38.82 | 11.50 |
| | 5/16/2016 | | 38.82 | 11.50 |
| | 6/17/2016 | | 38.86 | 11.46 |
| | 7/20/2016 | | 39.06 | 11.26 |
| | 8/20/2016 | | 39.17 | 11.15 |
| | 9/19/2016 | | 39.33 | 10.99 |
| | 10/21/2016 | | 39.55 | 10.77 |
| | 11/18/2016 | | 39.67 | 10.65 |
| | 12/19/2016 | | 39.79 | 10.53 |
| | 1/17/2017 | | 39.82 | 10.50 |
| | 2/24/2017 | | 38.75 | 11.57 |
| | 3/27/2017 | | 37.59 | 12.73 |
| | 4/17/2017 | | 36.88 | 13.44 |
| | 5/22/2017 | | 35.82 | 14.50 |
| | 6/20/2017 | | 35.41 | 14.91 |
| | 7/28/2017 | | 35.13 | 15.19 |
| | 8/25/2017 | | 35.18 | 15.14 |
| | 9/11/2017 | | 35.48 | 14.84 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| SMBRP-10C | 8/24/2015 | 16.25 | 7.37 | 8.88 |
| | 9/21/2015 | | 7.64 | 8.61 |
| | 10/20/2015 | | 7.96 | 8.29 |
| | 11/16/2015 | | 8.16 | 8.09 |
| | 12/14/2015 | | 8.06 | 8.19 |
| | 1/14/2016 | | 6.11 | 10.14 |
| | 2/16/2016 | | 6.57 | 9.68 |
| | 3/14/2016 | | 4.80 | 11.45 |
| | 4/25/2016 | | 6.59 | 9.66 |
| | 5/16/2016 | | 6.86 | 9.39 |
| | 6/17/2016 | | 6.90 | 9.35 |
| | 7/20/2016 | | 7.72 | 8.53 |
| | 8/20/2016 | | 8.12 | 8.13 |
| | 9/19/2016 | | 8.54 | 7.71 |
| | 10/21/2016 | | 8.78 | 7.47 |
| | 11/18/2016 | | 8.89 | 7.36 |
| | 12/19/2016 | | 7.95 | 8.30 |
| | 1/17/2017 | | 2.72 | 13.53 |
| | 2/24/2017 | | 0.99 | 15.26 |
| | 3/27/2017 | | 2.06 | 14.19 |
| | 4/17/2017 | | 3.97 | 12.28 |
| | 5/22/2017 | | 5.52 | 10.73 |
| | 6/20/2017 | | 6.22 | 10.03 |
| | 7/28/2017 | | 6.89 | 9.36 |
| | 8/25/2017 | | 7.28 | 8.97 |
| | 9/11/2017 | | 7.51 | 8.74 |
| SMBRP-12 | 8/24/2015 | 12.62 | 7.52 | 5.10 |
| | 9/21/2015 | | 6.91 | 5.71 |
| | 10/20/2015 | | 6.72 | 5.90 |
| | 11/16/2015 | | 6.75 | 5.87 |
| | 12/14/2015 | | 6.42 | 6.20 |
| | 1/14/2016 | | 6.95 | 5.67 |
| | 2/16/2016 | | 6.85 | 5.77 |
| | 3/14/2016 | | 6.09 | 6.53 |
| | 4/25/2016 | | 6.76 | 5.86 |
| | 5/16/2016 | | 6.40 | 6.22 |
| | 6/17/2016 | | 5.39 | 7.23 |
| | 7/20/2016 | | 6.05 | 6.57 |
| | 8/20/2016 | | 6.85 | 5.77 |
| | 9/19/2016 | | 6.44 | 6.18 |
| | 10/21/2016 | | 8.09 | 4.53 |
| | 11/18/2016 | | 6.52 | 6.10 |
| | 12/19/2016 | | 7.16 | 5.46 |
| | 1/17/2017 | | 6.48 | 6.14 |
| | 2/24/2017 | | 7.61 | 5.01 |
| | 3/27/2017 | | 6.96 | 5.66 |
| | 4/17/2017 | | 7.29 | 5.33 |
| | 5/22/2017 | | 7.63 | 4.99 |
| | 6/20/2017 | | 7.19 | 5.43 |
| | 7/28/2017 | | 6.68 | 5.94 |
| | 8/25/2017 | | 6.76 | 5.86 |
| | 9/11/2017 | | 7.02 | 5.60 |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| SMBRP-13 | 8/24/2015 | 13.58 | 8.32 | 5.26 |
| | 9/21/2015 | | 7.98 | 5.60 |
| | 10/20/2015 | | 8.20 | 5.38 |
| | 11/16/2015 | | 7.87 | 5.71 |
| | 12/14/2015 | | 6.85 | 6.73 |
| | 1/14/2016 | | 8.24 | 5.34 |
| | 2/16/2016 | | 8.00 | 5.58 |
| | 3/14/2016 | | 7.61 | 5.97 |
| | 4/25/2016 | | 7.66 | 5.92 |
| | 5/16/2016 | | 6.92 | 6.66 |
| | 6/17/2016 | | 7.52 | 6.06 |
| | 7/20/2016 | | 8.30 | 5.28 |
| | 8/20/2016 | | 8.03 | 5.55 |
| | 9/19/2016 | | 7.45 | 6.13 |
| | 10/21/2016 | | 8.33 | 5.25 |
| | 11/18/2016 | | 7.14 | 6.44 |
| | 12/19/2016 | | 8.34 | 5.24 |
| | 1/17/2017 | | 7.48 | 6.10 |
| | 2/24/2017 | | 9.32 | 4.26 |
| | 3/27/2017 | | 7.83 | 5.75 |
| | 4/17/2017 | | 8.55 | 5.03 |
| | 5/22/2017 | | 8.81 | 4.77 |
| | 6/20/2017 | | 7.78 | 5.80 |
| | 7/28/2017 | | 8.01 | 5.57 |
| | 8/25/2017 | | 8.04 | 5.54 |
| | 9/11/2017 | | 8.42 | 5.16 |
| SMBRP-15B | 8/24/2015 | 16.77 | dry | - |
| | 9/21/2015 | | dry | - |
| | 10/20/2015 | | dry | - |
| | 11/16/2015 | | dry | - |
| | 12/14/2015 | | dry | - |
| | 1/14/2016 | | dry | - |
| | 2/16/2016 | | dry | - |
| | 3/14/2016 | | dry | - |
| | 4/25/2016 | | dry | - |
| | 5/16/2016 | | dry | - |
| | 6/17/2016 | | dry | - |
| | 7/20/2016 | | dry | - |
| | 8/20/2016 | | dry | - |
| | 9/19/2016 | | dry | - |
| | 10/21/2016 | | dry | - |
| | 11/18/2016 | | dry | - |
| | 12/19/2016 | | dry | - |
| | 1/17/2017 | | dry | - |
| | 2/24/2017 | | dry | - |
| | 3/27/2017 | | dry | - |
| | 4/17/2017 | | dry | - |
| | 5/22/2017 | | dry | - |
| | 6/20/2017 | | dry | - |
| | 7/28/2017 | | dry | - |
| | 8/25/2017 | | dry | - |
| | 9/11/2017 | | dry | - |

Table 1
Groundwater Elevations

| Shallow Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| SMBRP-16 | 8/24/2015 | 14.50 | 4.95 | 9.55 |
| | 9/21/2015 | | 4.96 | 9.54 |
| | 10/20/2015 | | 5.34 | 9.16 |
| | 11/16/2015 | | 5.55 | 8.95 |
| | 12/14/2015 | | 5.59 | 8.91 |
| | 1/14/2016 | | 3.79 | 10.71 |
| | 2/16/2016 | | 4.60 | 9.90 |
| | 3/14/2016 | | 5.27 | 9.23 |
| | 4/25/2016 | | 4.65 | 9.85 |
| | 5/16/2016 | | 4.92 | 9.58 |
| | 6/17/2016 | | 5.15 | 9.35 |
| | 7/20/2016 | | 5.49 | 9.01 |
| | 8/20/2016 | | 5.72 | 8.78 |
| | 9/19/2016 | | 5.92 | 8.58 |
| | 10/21/2016 | | 6.18 | 8.32 |
| | 11/18/2016 | | 6.02 | 8.48 |
| | 12/19/2016 | | 5.23 | 9.27 |
| | 1/17/2017 | | 2.54 | 11.96 |
| | 2/24/2017 | | 0.51 | 13.99 |
| | 3/27/2017 | | 2.61 | 11.89 |
| | 4/17/2017 | | 4.28 | 10.22 |
| | 5/22/2017 | | N/A | - |
| | 6/20/2017 | | N/A | - |
| | 7/28/2017 | | 6.42 | 8.08 |
| | 8/25/2017 | | 6.63 | 7.87 |
| | 9/11/2017 | | 6.51 | 7.99 |

Notes:

N/A: well not accessible

'- : no data available

TOC elevation referenced to NAVD88

TOC: top of well casing

ft bTOC: feet below top of well casing

Table 1
Groundwater Elevations

| Deep Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| MCWP-MW01 | 8/24/2015 | 17.90 | 10.22 | 7.68 |
| | 9/21/2015 | | 9.71 | 8.19 |
| | 10/20/2015 | | 10.00 | 7.90 |
| | 11/16/2015 | | 9.91 | 7.99 |
| | 12/14/2015 | | 9.23 | 8.67 |
| | 1/14/2016 | | 10.45 | 7.45 |
| | 2/16/2016 | | 11.02 | 6.88 |
| | 3/14/2016 | | 10.53 | 7.37 |
| | 4/25/2016 | | 10.89 | 7.01 |
| | 5/16/2016 | | 10.70 | 7.20 |
| | 6/17/2016 | | 10.75 | 7.15 |
| | 7/20/2016 | | 11.09 | 6.81 |
| | 8/20/2016 | | 11.30 | 6.60 |
| | 9/19/2016 | | 11.13 | 6.77 |
| | 10/21/2016 | | 11.19 | 6.71 |
| | 11/18/2016 | | 9.94 | 7.96 |
| | 12/19/2016 | | 10.56 | 7.34 |
| | 1/17/2017 | | 10.17 | 7.73 |
| | 2/24/2017 | | 10.68 | 7.22 |
| | 3/27/2017 | | 11.47 | 6.43 |
| | 4/17/2017 | | 11.33 | 6.57 |
| | 5/22/2017 | | 11.83 | 6.07 |
| | 6/20/2017 | | 10.47 | 7.43 |
| | 7/28/2017 | | 10.45 | 7.45 |
| | 8/25/2017 | | 10.29 | 7.61 |
| | 9/11/2017 | | 10.60 | 7.30 |
| MCWP-MW02 | 8/24/2015 | 18.06 | 10.39 | 7.67 |
| | 9/21/2015 | | 9.92 | 8.14 |
| | 10/20/2015 | | 10.25 | 7.81 |
| | 11/16/2015 | | 10.16 | 7.90 |
| | 12/14/2015 | | 9.14 | 8.92 |
| | 1/14/2016 | | 10.68 | 7.38 |
| | 2/16/2016 | | 11.13 | 6.93 |
| | 3/14/2016 | | 10.72 | 7.34 |
| | 4/25/2016 | | 11.08 | 6.98 |
| | 5/16/2016 | | 10.55 | 7.51 |
| | 6/17/2016 | | 10.82 | 7.24 |
| | 7/20/2016 | | 11.10 | 6.96 |
| | 8/20/2016 | | 11.35 | 6.71 |
| | 9/19/2016 | | 11.59 | 6.47 |
| | 10/21/2016 | | 11.41 | 6.65 |
| | 11/18/2016 | | 10.16 | 7.90 |
| | 12/19/2016 | | 10.82 | 7.24 |
| | 1/17/2017 | | 10.44 | 7.62 |
| | 2/24/2017 | | 10.68 | 7.38 |
| | 3/27/2017 | | 11.96 | 6.10 |
| | 4/17/2017 | | 11.35 | 6.71 |
| | 5/22/2017 | | 12.03 | 6.03 |
| | 6/20/2017 | | 10.74 | 7.32 |
| | 7/28/2017 | | 10.56 | 7.50 |
| | 8/25/2017 | | 10.62 | 7.44 |
| | 9/11/2017 | | 10.79 | 7.27 |

Table 1
Groundwater Elevations

| Deep Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| MCWP-MW03 | 9/21/2015 | 15.31 | 7.52 | 7.79 |
| | 10/20/2015 | | 7.78 | 7.53 |
| | 11/16/2015 | | 7.34 | 7.97 |
| | 12/14/2015 | | 6.75 | 8.56 |
| | 1/14/2016 | | 8.38 | 6.93 |
| | 2/16/2016 | | 8.43 | 6.88 |
| | 3/14/2016 | | 8.05 | 7.26 |
| | 4/25/2016 | | 8.63 | 6.68 |
| | 5/16/2016 | | 8.35 | 6.96 |
| | 6/17/2016 | | 8.50 | 6.81 |
| | 7/20/2016 | | 8.30 | 7.01 |
| | 8/20/2016 | | 8.87 | 6.44 |
| | 9/19/2016 | | 8.23 | 7.08 |
| | 10/21/2016 | | 8.94 | 6.37 |
| | 11/18/2016 | | 7.64 | 7.67 |
| | 12/19/2016 | | 8.09 | 7.22 |
| | 1/17/2017 | | 7.63 | 7.68 |
| | 2/24/2017 | | N/A | - |
| | 3/27/2017 | | N/A | - |
| | 4/17/2017 | | N/A | - |
| | 5/22/2017 | | N/A | - |
| | 6/20/2017 | | N/A | - |
| | 7/28/2017 | | 8.02 | 7.29 |
| | 8/25/2017 | | 7.58 | 7.73 |
| | 9/11/2017 | | 7.92 | 7.39 |
| MCWP-MW04D | 8/24/2015 | 15.43 | 9.35 | 6.08 |
| | 9/21/2015 | | 8.84 | 6.59 |
| | 10/20/2015 | | 9.16 | 6.27 |
| | 11/16/2015 | | 9.13 | 6.30 |
| | 12/14/2015 | | 8.39 | 7.04 |
| | 1/14/2016 | | 9.59 | 5.84 |
| | 2/16/2016 | | 10.24 | 5.19 |
| | 3/14/2016 | | 9.69 | 5.74 |
| | 4/25/2016 | | 10.07 | 5.36 |
| | 5/16/2016 | | 9.83 | 5.60 |
| | 6/17/2016 | | 9.97 | 5.46 |
| | 7/20/2016 | | 10.22 | 5.21 |
| | 8/20/2016 | | 10.33 | 5.10 |
| | 9/19/2016 | | 10.32 | 5.11 |
| | 10/21/2016 | | 10.4 | 5.03 |
| | 11/18/2016 | | 9.12 | 6.31 |
| | 12/19/2016 | | 9.68 | 5.75 |
| | 1/17/2017 | | 9.34 | 6.09 |
| | 2/24/2017 | | 9.83 | 5.60 |
| | 3/27/2017 | | 10.61 | 4.82 |
| | 4/17/2017 | | 10.51 | 4.92 |
| | 5/22/2017 | | 10.99 | 4.44 |
| | 6/20/2017 | | 9.62 | 5.81 |
| | 7/28/2017 | | 9.62 | 5.81 |
| | 8/25/2017 | | 9.46 | 5.97 |
| | 9/11/2017 | | 9.72 | 5.71 |

Table 1
Groundwater Elevations

| Deep Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| MCWP-MW05 | 8/24/2015 | 13.92 | 7.62 | 6.30 |
| | 9/21/2015 | | 7.30 | 6.62 |
| | 10/20/2015 | | 7.47 | 6.45 |
| | 11/16/2015 | | 7.42 | 6.50 |
| | 12/14/2015 | | 6.39 | 7.53 |
| | 1/14/2016 | | 7.82 | 6.10 |
| | 2/16/2016 | | 8.37 | 5.55 |
| | 3/14/2016 | | 7.96 | 5.96 |
| | 4/25/2016 | | 8.27 | 5.65 |
| | 5/16/2016 | | 7.78 | 6.14 |
| | 6/17/2016 | | 8.05 | 5.87 |
| | 7/20/2016 | | 8.41 | 5.51 |
| | 8/20/2016 | | 8.69 | 5.23 |
| | 9/19/2016 | | 8.98 | 4.94 |
| | 10/21/2016 | | N/A | - |
| | 11/18/2016 | | N/A | - |
| | 12/19/2016 | | N/A | - |
| | 1/17/2017 | | N/A | - |
| | 2/24/2017 | | N/A | - |
| | 3/27/2017 | | 8.39 | 5.53 |
| | 4/17/2017 | | 8.48 | 5.44 |
| | 5/22/2017 | | N/A | - |
| | 6/20/2017 | | N/A | - |
| | 7/28/2017 | | N/A | - |
| | 8/25/2017 | | N/A | - |
| | 9/11/2017 | | 8.15 | 5.77 |
| MCWP-MW06 | 8/24/2015 | 16.05 | 9.87 | 6.18 |
| | 9/21/2015 | | 9.40 | 6.65 |
| | 10/20/2015 | | 9.71 | 6.34 |
| | 11/16/2015 | | 9.61 | 6.44 |
| | 12/14/2015 | | 8.64 | 7.41 |
| | 1/14/2016 | | 10.12 | 5.93 |
| | 2/16/2016 | | 10.58 | 5.47 |
| | 3/14/2016 | | 10.14 | 5.91 |
| | 4/25/2016 | | 10.49 | 5.56 |
| | 5/16/2016 | | 10.06 | 5.99 |
| | 6/17/2016 | | 10.27 | 5.78 |
| | 7/20/2016 | | 10.60 | 5.45 |
| | 8/20/2016 | | 10.86 | 5.19 |
| | 9/19/2016 | | 11.07 | 4.98 |
| | 10/21/2016 | | 10.9 | 5.15 |
| | 11/18/2016 | | 9.62 | 6.43 |
| | 12/19/2016 | | 10.2 | 5.85 |
| | 1/17/2017 | | 9.87 | 6.18 |
| | 2/24/2017 | | 10.05 | 6.00 |
| | 3/27/2017 | | 11.41 | 4.64 |
| | 4/17/2017 | | 10.81 | 5.24 |
| | 5/22/2017 | | 11.43 | 4.62 |
| | 6/20/2017 | | 10.16 | 5.89 |
| | 7/28/2017 | | 10.03 | 6.02 |
| | 8/25/2017 | | 10.06 | 5.99 |
| | 9/11/2017 | | 10.41 | 5.64 |

Table 1
Groundwater Elevations

| Deep Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| MCWP-MW07D | 8/24/2015 | 13.21 | 7.51 | 5.70 |
| | 9/21/2015 | | 7.44 | 5.77 |
| | 10/20/2015 | | 7.67 | 5.54 |
| | 11/16/2015 | | 7.27 | 5.94 |
| | 12/14/2015 | | 6.59 | 6.62 |
| | 1/14/2016 | | 8.32 | 4.89 |
| | 2/16/2016 | | 8.32 | 4.89 |
| | 3/14/2016 | | 7.92 | 5.29 |
| | 4/25/2016 | | 8.47 | 4.74 |
| | 5/16/2016 | | 8.26 | 4.95 |
| | 6/17/2016 | | 8.45 | 4.76 |
| | 7/20/2016 | | 8.18 | 5.03 |
| | 8/20/2016 | | 8.77 | 4.44 |
| | 9/19/2016 | | 8.12 | 5.09 |
| | 10/21/2016 | | 8.81 | 4.40 |
| | 11/18/2016 | | 7.54 | 5.67 |
| | 12/19/2016 | | 7.99 | 5.22 |
| | 1/17/2017 | | 7.52 | 5.69 |
| | 2/24/2017 | | N/A | - |
| | 3/27/2017 | | N/A | - |
| | 4/17/2017 | | N/A | - |
| | 5/22/2017 | | N/A | - |
| | 6/20/2017 | | N/A | - |
| | 7/28/2017 | | 7.91 | 5.30 |
| | 8/25/2017 | | 7.44 | 5.77 |
| | 9/11/2017 | | 7.91 | 5.30 |
| MCWP-MW09 | 8/24/2015 | 16.30 | 5.69 | 10.61 |
| | 9/21/2015 | | 5.42 | 10.88 |
| | 10/20/2015 | | 5.68 | 10.62 |
| | 11/16/2015 | | 5.50 | 10.80 |
| | 12/14/2015 | | 4.75 | 11.55 |
| | 1/14/2016 | | 6.37 | 9.93 |
| | 2/16/2016 | | 6.42 | 9.88 |
| | 3/14/2016 | | 6.04 | 10.26 |
| | 4/25/2016 | | 6.38 | 9.92 |
| | 5/16/2016 | | 5.85 | 10.45 |
| | 6/17/2016 | | 5.96 | 10.34 |
| | 7/20/2016 | | 6.44 | 9.86 |
| | 8/20/2016 | | 6.54 | 9.76 |
| | 9/19/2016 | | 6.26 | 10.04 |
| | 10/21/2016 | | 6.71 | 9.59 |
| | 11/18/2016 | | 5.68 | 10.62 |
| | 12/19/2016 | | 6.31 | 9.99 |
| | 1/17/2017 | | 5.79 | 10.51 |
| | 2/24/2017 | | 6.78 | 9.52 |
| | 3/27/2017 | | 7.12 | 9.18 |
| | 4/17/2017 | | 6.83 | 9.47 |
| | 5/22/2017 | | 7.72 | 8.58 |
| | 6/20/2017 | | 6.24 | 10.06 |
| | 7/28/2017 | | 5.76 | 10.54 |
| | 8/25/2017 | | 5.78 | 10.52 |
| | 9/11/2017 | | 5.85 | 10.45 |

Table 1
Groundwater Elevations

| Winter Canyon Groundwater Monitoring Wells | | | | |
|---|---|---|---|---|
| Well ID | Date | TOC Elevation (ft) | Depth to Water (ft bTOC) | Groundwater Elevation |
| LAMW-5S | 8/24/2015 | 104.55 | 53.71 | 50.84 |
| | 9/21/2015 | | 53.30 | 51.25 |
| | 10/20/2015 | | 53.74 | 50.81 |
| | 11/16/2015 | | 53.90 | 50.65 |
| | 12/14/2015 | | 53.54 | 51.01 |
| | 1/14/2016 | | 54.02 | 50.53 |
| | 2/16/2016 | | 53.69 | 50.86 |
| | 3/14/2016 | | 53.92 | 50.63 |
| | 4/25/2016 | | 53.88 | 50.67 |
| | 5/16/2016 | | 53.98 | 50.57 |
| | 6/17/2016 | | 53.97 | 50.58 |
| | 7/20/2016 | | 54.23 | 50.32 |
| | 8/20/2016 | | 54.42 | 50.13 |
| | 9/19/2016 | | 54.77 | 49.78 |
| | 10/21/2016 | | 55 | 49.55 |
| | 11/18/2016 | | 54.91 | 49.64 |
| | 12/19/2016 | | 53.83 | 50.72 |
| | 1/17/2017 | | 53.81 | 50.74 |
| | 2/24/2017 | | 50.54 | 54.01 |
| | 3/27/2017 | | 48.71 | 55.84 |
| | 4/17/2017 | | 48.24 | 56.31 |
| | 5/22/2017 | | 48.23 | 56.32 |
| | 6/20/2017 | | 48.39 | 56.16 |
| | 7/28/2017 | | 49.08 | 55.47 |
| | 8/25/2017 | | 49.77 | 54.78 |
| | 9/11/2017 | | 49.75 | 54.80 |
| SMBRP-11 | 8/24/2015 | 18.35 | 8.88 | 9.47 |
| | 9/21/2015 | | 8.70 | 9.65 |
| | 10/20/2015 | | 8.36 | 9.99 |
| | 11/16/2015 | | 8.64 | 9.71 |
| | 12/14/2015 | | 8.35 | 10.00 |
| | 1/14/2016 | | 8.00 | 10.35 |
| | 2/16/2016 | | 8.30 | 10.05 |
| | 3/14/2016 | | 7.89 | 10.46 |
| | 4/25/2016 | | 8.63 | 9.72 |
| | 5/16/2016 | | 8.62 | 9.73 |
| | 6/17/2016 | | 8.39 | 9.96 |
| | 7/20/2016 | | 8.00 | 10.35 |
| | 8/20/2016 | | 8.44 | 9.91 |
| | 9/19/2016 | | 8.56 | 9.79 |
| | 10/21/2016 | | 8.71 | 9.64 |
| | 11/18/2016 | | 8.47 | 9.88 |
| | 12/19/2016 | | 8.71 | 9.64 |
| | 1/17/2017 | | 7.81 | 10.54 |
| | 2/24/2017 | | 7.22 | 11.13 |
| | 3/27/2017 | | 7.97 | 10.38 |
| | 4/17/2017 | | 8.19 | 10.16 |
| | 5/22/2017 | | 8.45 | 9.90 |
| | 6/20/2017 | | 8.41 | 9.94 |
| | 7/28/2017 | | 8.25 | 10.10 |
| | 8/25/2017 | | 8.26 | 10.09 |
| | 9/11/2017 | | 8.50 | 9.85 |

Table 1
Groundwater Elevations

Notes:

N/A: well not accessible

'- : no data available

TOC elevation referenced to NAVD88

TOC: top of well casing

ft bTOC: feet below top of well casing

# Table 2
## Baseline Groundwater and Surface Water Analysis Matrix

| **Groundwater** | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *SNMP MOU* | *SNMP MOU* | *SNMP MOU* | *SNMP MOU* | *SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *SNMP* | *SNMP* | *Baseline GW/SW Monitoring SNMP MOU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Laboratory Analysis* | LAMW-5S | SMBRP-9 | SMBRP-12 | SMBRP-13 | MCWP-MW10 | CCPE | MBCMW-9 | SMBRP-7B | MCWP-MW04S | MCWP-MW04D | MCWP-MW07S | MCWP-MW07D | MCWP-MW09 | MCWP-MW05 | MCWP-MW06 | TY-MW-1 |
| General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances (MBAS)/Foaming Agents) | ✓ | ✓ | ✓ | ✓ (TDS only) | ✓ (TDS only) | ✓ (TDS only) | NS | ✓ (TDS only) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ (TDS only) | ✓ (TDS only) | NS |
| Biological Oxygen Demand (BOD) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Turbidity (includes color and odor) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Total and Fecal Coliform | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Total Suspended Solids | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Residual Chlorine | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Total Organic Carbon | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Oil and Grease | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Nitrate as Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Nitrite as Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Nitrate and Nitrite as Nitrogen (calculation) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Ammonia Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Kjeldahl Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Organic Nitrogen (calculation) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Total Nitrogen (includes TKN) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Total Phosphorous | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| *Constituents listed in Attachments A1 to A5 of MRP CI 10042* | | | | | | | | | | | | | | | | |
| Metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, mercury, nickel, selenium, thallium) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Asbestos | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Cyanide | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Perchlorate | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Fluoride | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Combined Radium-226 and Radium-228 | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Gross Alpha and Beta Particle Activity | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Tritium | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Strontium-90 | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Uranium | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Volatile Organic Compounds (EPA Method 524.2) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB) (EPA Method 504.1) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Chlordane, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, Polychlorinated Biphenyls, Toxaphene (EPA Method 505) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Alachlor, Atrazine, Simazine (EPA Method 507) | ✓ | ✓ | ✓ | - | - | - | NS | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | NS |
| Bentazon, 2,4-D, Dalapon, Dinoseb, Pentachlorophenol, Picloram, 2,4,5-TP (Silvex) (EPA Method 515.3) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Benzo(a)pyrene, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate, Molinate, Thiobencarb (EPA Method 525.2) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Carbofuran, Oxamyl (EPA Method 531.1) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Glyphosate (EPA Method 547) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Endothall (EPA Method 548.1) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Diquat (EPA Method 549.2) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| 2,3,7,8-TCDD (Dioxin) (EPA Method 1613) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Trihalomethanes | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Haloacetic Acids | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Bromate | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Chlorite | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Metals (aluminum, copper, iron, manganese, silver, zinc) (included in | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Color and Odor (included in turbidity above) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Foam agents (MBAS) (included above) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Methyl-tert-butyl ether (MTBE) (included in Volatile Organic Compounds above) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Thiobencarb (included in EPA Method 525.2 above) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |

# Table 2
## Baseline Groundwater and Surface Water Analysis Matrix

| **Groundwater** | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *SNMP MOU* | *SNMP MOU* | *SNMP MOU* | *SNMP MOU* | *SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *Baseline GW/SW Monitoring SNMP MOU* | *SNMP* | *SNMP* | *Baseline GW/SW Monitoring SNMP MOU* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Laboratory Analysis* | LAMW-5S | SMBRP-9 | SMBRP-12 | SMBRP-13 | MCWP-MW10 | CCPE | MBCMW-9 | SMBRP-7B | MCWP-MW04S | MCWP-MW04D | MCWP-MW07S | MCWP-MW07D | MCWP-MW09 | MCWP-MW05 | MCWP-MW06 | TY-MW-1 |
| *Constituents of Emerging Concern in Attachment C of MRP CI 10042* | | | | | | | | | | | | | | | | |
| 17β-Estradiol | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Caffeine | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| n-Nitrosodimethylamine (NDMA) | ✓ | ✓ | ✓ | - | - | - | NS | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | NS |
| Triclosan | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| n,n-Diethyl-meta-toluamide (DEET) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Sucralose | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| *Priority Pollutants listed in Attachment D of MRP CI 10042* | | | | | | | | | | | | | | | | |
| Metals (antimony, arsenic, barium, beryllium, cadmium, chromium (III), | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Chromium VI | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Cyanide (included above) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Asbestos (included above) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| 2,3,7,8-TCDD (included above) | ✓ | ✓ | ✓ | - | - | - | NS | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | NS |
| Volatile Organic Compounds (EPA Method 624) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Semivolatile Organic Compounds (EPA Method 625) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Pesticides (EPA Method 625) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Polychlorinated Biphenyls (included above) | ✓ | ✓ | ✓ | - | - | - | | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |

**Surface Water**

| *Laboratory Analysis* | N-001 | N-002 | N-003 | N-004 | L-001 | L-002 | L-003 | L-004 | L-005 | L-006 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total and Fecal Coliform | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Nitrate as Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Nitrite as Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Ammonia Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Organic Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Kjeldahl Nitrogen | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Total Phosphorous | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Notes:
✓: Laboratory analysis completed
NS: Not Sampled - Well Dry/ Damaged
- : Sampling & analysis not required

Table 3
Surface Water Analytical Results

| Location | Monitoring Depth | Sample ID | Sample Date | Coliform Bacteria Analysis (MPN/100mL) | | Inorganic Analysis (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Total | Fecal | Nitrate Nitrogen | Nitrite Nitrogen | Nitrogen, Organic | Ammonia Nitrogen | Kjeldahl Nitrogen | Phosphorous, Total |
| Near Shore | Ankle Depth | N-001 | 9/25/2015 | 70 | 46 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.760 |
| | | | 12/1/2015 | <1.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.775 |
| | | | 3/18/2016 | <1.8 | <1.8 | 0.1 | <0.1 | 0.937 | <0.2 | 0.937 | 0.400 |
| | | | 6/16/2016 | <1.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.658 |
| | | | 9/23/2016 | <1.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.970 |
| | | | 12/20/2016 | 49 | 49 | 0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.010 |
| | | | 3/31/2017 | 14 | 6.8 | 0.2 | <0.1 | <0.5 | <0.2 | <0.5 | 1.690 |
| | | | 6/19/2017 | 23 | 7.8 | <0.1 | <0.1 | 0.519 | <0.2 | 0.596 | 2.060 |
| | | | 8/29/2017 | 23 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 2.100 |
| | | N-002 | 9/25/2015 | 13 | 13 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.480 |
| | | | 12/1/2015 | <1.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.380 |
| | | | 3/18/2016 | <1.8 | <1.8 | 0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.42 |
| | | | 6/16/2016 | <1.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.03 |
| | | | 9/23/2016 | 240 | 6.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.300 |
| | | | 12/20/2016 | <1.8 | <1.8 | 0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.350 |
| | | | 3/31/2017 | 13 | <1.8 | 0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.127 |
| | | | 6/19/2017 | <1.8 | <1.8 | <0.1 | <0.1 | 2.25 | <0.2 | 2.25 | 2.030 |
| | | | 8/29/2017 | 7.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 2.140 |
| | | N-003 | 9/25/2015 | 11 | 4 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.347 |
| | | | 12/1/2015 | 14 | 14 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.460 |
| | | | 3/18/2016 | 13 | <1.8 | 0.1 | <0.1 | 0.865 | <0.2 | 0.865 | <0.1 |
| | | | 6/16/2016 | <1.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | <0.1 |
| | | | 9/23/2016 | 2 | 2 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.460 |
| | | | 12/20/2016 | 79 | 79 | 0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.310 |
| | | | 3/31/2017 | 350 | 33 | 0.1 | <0.1 | 10.8 | <0.2 | 10.8 | 0.467 |
| | | | 6/19/2017 | 7.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.474 |
| | | | 8/29/2017 | 7.8 | 2.0 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.150 |
| | | N-004 | 9/25/2015 | 14 | 9.3 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.288 |
| | | | 12/1/2015 | 2 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.010 |
| | | | 3/18/2016 | 2 | <1.8 | 0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.648 |
| | | | 6/16/2016 | 6.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.250 |
| | | | 9/23/2016 | 4.5 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.290 |
| | | | 12/20/2016 | 7.8 | <1.8 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 1.290 |
| | | | 3/31/2017 | 6.8 | 2 | <0.1 | 0.153 | <0.5 | <0.2 | <0.5 | 1.870 |
| | | | 6/19/2017 | 7.8 | 7.8 | <0.1 | <0.1 | 0.647 | <0.2 | 0.647 | 1.240 |
| | | | 8/29/2017 | 79 | 79 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | <0.1 |

Table 3
Surface Water Analytical Results

| Location | Monitoring Depth | Sample ID | Sample Date | Coliform Bacteria Analysis (MPN/100mL) | | Inorganic Analysis (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Total | Fecal | Nitrate Nitrogen | Nitrite Nitrogen | Nitrogen, Organic | Ammonia Nitrogen | Kjeldahl Nitrogen | Phosphorous, Total |
| Malibu Lagoon and Creek | 1 foot BSW | L-001 | 9/25/2015 | 920 | 49 | <0.1 | <0.1 | 2.26 | <0.2 | 2.26 | 0.558 |
| | | | 12/1/2015 | 350 | 33 | <0.1 | <0.1 | 0.837 | <0.2 | 0.837 | 0.218 |
| | | | 3/18/2016 | 350 | 23 | 0.3 | <0.1 | 1.99 | <0.2 | 1.99 | 0.635 |
| | | | 6/16/2016 | 350 | 4.5 | <0.1 | <0.1 | 0.696 | <0.2 | 0.696 | 0.178 |
| | | | 9/23/2016 | 540 | 79 | <0.1 | <0.1 | 1.04 | <0.2 | 1.04 | 0.153 |
| | | | 12/20/2016 | 1600 | 49 | 3.2 | <0.1 | <0.5 | <0.2 | <0.5 | 0.934 |
| | | | 3/31/2017 | 540 | <1.8 | 1.5 | <0.1 | 1.84 | <0.2 | 1.84 | 0.577 |
| | | | 6/19/2017 | 350 | 49 | 0.6 | <0.1 | 0.617 | <0.2 | 0.617 | 0.387 |
| | | | 8/29/2017 | >1,600 | 130 | 0.2 | <0.1 | 0.834 | <0.2 | 0.834 | 0.156 |
| | | L-002 | 9/25/2015 | 920 | 49 | <0.1 | <0.1 | 1.83 | <0.2 | 1.83 | 0.404 |
| | | | 12/1/2015 | 540 | 33 | <0.1 | <0.1 | 0.591 | <0.2 | 0.591 | 0.226 |
| | | | 3/18/2016 | 280 | 49 | 0.6 | <0.1 | 0.852 | <0.2 | 0.852 | 0.379 |
| | | | 6/16/2016 | 33 | 2 | <0.1 | <0.1 | 0.964 | <0.2 | 0.964 | <0.1 |
| | | | 9/23/2016 | 14 | 4.5 | 0.1 | <0.1 | 0.77 | <0.2 | 0.77 | <0.1 |
| | | | 12/20/2016 | 1600 | 240 | 1.6 | <0.1 | <0.5 | <0.2 | <0.5 | 0.621 |
| | | | 3/31/2017 | 130 | 33 | 1.5 | <0.1 | <0.5 | <0.2 | <0.5 | 0.464 |
| | | | 6/19/2017 | 540 | 33 | 0.2 | <0.1 | <0.5 | <0.2 | 0.604 | 0.459 |
| | | | 8/29/2017 | >1,600 | 7.8 | <0.1 | <0.1 | 1.21 | <0.2 | 1.21 | 0.161 |
| | | L-003 | 9/25/2015 | 540 | 70 | <0.1 | <0.1 | 2.35 | <0.2 | 2.35 | 0.379 |
| | | | 12/1/2015 | 240 | 17 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.213 |
| | | | 3/18/2016 | 240 | 23 | 0.6 | <0.1 | 1.03 | <0.2 | 1.03 | 0.397 |
| | | | 6/16/2016 | 79 | 4 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.139 |
| | | | 9/23/2016 | 23 | 4.5 | <0.1 | <0.1 | 1.21 | <0.2 | 1.21 | <0.1 |
| | | | 12/20/2016 | 220 | 31 | 2.7 | <0.1 | <0.5 | <0.2 | <0.5 | 0.984 |
| | | | 3/31/2017 | 70 | 23 | 1.2 | <0.1 | 0.511 | <0.2 | 0.511 | 0.446 |
| | | | 6/19/2017 | 220 | 17 | <0.1 | <0.1 | 0.714 | <0.2 | 0.714 | 1.690 |
| | | | 8/29/2017 | >1,600 | 33 | <0.1 | <0.1 | 0.898 | <0.2 | 0.898 | 0.186 |
| | | L-004 | 9/25/2015 | 170 | 23 | <0.1 | <0.1 | 2.67 | <0.2 | 2.67 | 0.266 |
| | | | 12/1/2015 | 170 | 130 | <0.1 | <0.1 | 0.583 | <0.2 | 0.583 | 0.200 |
| | | | 3/18/2016 | 350 | 170 | 0.5 | <0.1 | 0.798 | <0.2 | 0.798 | 0.350 |
| | | | 6/16/2016 | 49 | 2 | <0.1 | <0.1 | 0.667 | <0.2 | 0.667 | 0.114 |
| | | | 9/23/2016 | 17 | 4.5 | <0.1 | <0.1 | 0.627 | <0.2 | 0.627 | <0.1 |
| | | | 12/20/2016 | 540 | 79 | 2.4 | <0.1 | <0.5 | <0.2 | <0.5 | 0.833 |
| | | | 3/31/2017 | 540 | 170 | 0.4 | <0.1 | 1.67 | <0.2 | 1.67 | 0.394 |
| | | | 6/19/2017 | 540 | 350 | <0.1 | <0.1 | 1.06 | <0.2 | 1.06 | 0.477 |
| | | | 8/29/2017 | >1,600 | 49 | <0.1 | <0.1 | 0.653 | <0.2 | 0.653 | 0.151 |

Table 3
Surface Water Analytical Results

| Location | Monitoring Depth | Sample ID | Sample Date | Coliform Bacteria Analysis (MPN/100mL) | | Inorganic Analysis (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Total | Fecal | Nitrate Nitrogen | Nitrite Nitrogen | Nitrogen, Organic | Ammonia Nitrogen | Kjeldahl Nitrogen | Phosphorous, Total |
| Malibu Lagoon and | 1 foot BSW | L-005 | 9/25/2015 | 350 | 49 | <0.1 | <0.1 | 3.8 | <0.2 | 3.8 | 0.372 |
| | | | 12/1/2015 | 350 | 49 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.123 |
| | | | 3/18/2016 | 540 | 350 | 1.6 | <0.1 | 1.37 | <0.2 | 1.37 | 0.661 |
| | | | 6/16/2016 | 26 | 6.8 | <0.1 | <0.1 | 1.16 | <0.2 | 1.16 | 0.133 |
| | | | 9/23/2016 | 7.8 | 7.8 | <0.1 | <0.1 | <0.5 | <0.2 | 0.53 | <0.1 |
| | | | 12/20/2016 | 350 | 49 | 2.5 | <0.1 | <0.5 | <0.2 | <0.5 | 0.865 |
| | | | 3/31/2017 | 170 | 22 | 0.2 | <0.1 | <0.5 | <0.2 | <0.5 | 0.104 |
| | | | 6/19/2017 | 240 | 240 | <0.1 | <0.1 | 0.976 | <0.2 | 0.976 | 0.902 |
| | | | 8/29/2017 | 920 | 70 | <0.1 | <0.1 | 1.22 | <0.2 | 1.22 | 0.135 |
| | | L-006 | 9/25/2015 | 170 | 170 | <0.1 | <0.1 | 3.59 | <0.2 | 3.67 | 0.320 |
| | | | 12/1/2015 | 350 | 49 | <0.1 | <0.1 | <0.5 | <0.2 | <0.5 | 0.168 |
| | | | 3/18/2016 | 920 | 130 | 0.4 | <0.1 | 1.46 | <0.2 | 1.46 | 0.366 |
| | | | 6/16/2016 | 17 | 7.8 | <0.1 | <0.1 | 1.18 | <0.2 | 1.18 | 0.172 |
| | | | 9/23/2016 | 7.8 | 7.8 | <0.1 | <0.1 | 1.24 | <0.2 | 1.24 | <0.1 |
| | | | 12/20/2016 | 130 | 14 | 0.3 | <0.1 | <0.5 | <0.2 | <0.5 | 0.287 |
| | | | 3/31/2017 | 540 | 11 | <0.1 | <0.1 | 13.6 | <0.2 | 13.6 | 3.500 |
| | | | 6/19/2017 | 33 | 7.8 | <0.1 | <0.1 | 1.12 | <0.2 | 1.12 | 0.714 |
| | | | 8/29/2017 | 1,600 | 26 | <0.1 | <0.1 | 1.76 | <0.2 | 1.76 | 0.110 |

Notes:
mg/L: milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliters
BSW: below surface water
<: not detected above the Practical Quantitation Limit (PQL)
>: detected above the PQL

Table 4
Groundwater Analytical Results

| | | | Coliform Bacteria Analysis (MPN/100mL) | | Inorganic Analysis (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Well ID** | **Well Depth (BGS)** | **Sample Date** | **Total** | **Fecal** | **Nitrate as $NO_3$** | **Nitrite Nitrogen** | **Nitrate + Nitrite as N** | **Nitrate Nitrogen** | **Nitrogen, Organic** | **Ammonia Nitrogen** | **Kjeldahl Nitrogen** | **Nitrogen, Total as Nitrogen** | **Phosphorous, Total** | **Boron** | **Sulfate** | **Total Dissolved Solids (TDS)** | **Chloride** |
| LAMW-5S | 73 feet | 9/29/2015 | 350 | 4.5 | 32.8 | <0.1 | 7.68 | 7.4 | 0.986 | <0.2 | 1.07 | 8.75 | 14.7 | 0.314 | 156 | 769 | 103 |
| | | 3/15/2016 | >1,600 | 350 | - | <0.1 | - | 8.2 | <0.5 | <0.2 | <0.5 | - | 9.43 | - | - | 713 | - |
| | | 9/20/2016 | <1.8 | <1.8 | 55.1 | <0.1 | 12.4 | 12.4 | <0.5 | <0.2 | <0.5 | 12.4 | 7.04 | 0.248 | 200 | 863 | 125 |
| | | 3/28/2017 | 49 | <1.8 | - | <0.1 | - | 13.6 | <0.5 | <0.2 | <0.5 | - | 5.24 | - | - | 696 | - |
| | | 9/14/2017 | >1,600 | 170 | 72.8 | <0.1 | 16.4 | 16.4 | <0.5 | <0.2 | <0.5 | 16.4 | 5.38 | 0.325 | 98.6 | 604 | 117 |
| SMBRP-7B | 25 feet | 12/15/2015 | 11 | <1.8 | - | <0.1 | - | <0.1 | <0.5 | <0.2 | 0.552 | - | 0.478 | - | - | 3,090 | - |
| | | 3/15/2016 | 110 | 11 | - | <0.1 | - | <0.1 | 1.37 | <0.2 | 1.37 | - | 0.916 | - | - | 1,400 | - |
| | | 9/20/2016 | <1.8 | <1.8 | - | <0.1 | - | <0.1 | <0.5 | 0.215 | 0.618 | - | 0.445 | - | - | 3,920 | - |
| | | 3/28/2017 | 4.5 | <1.8 | - | <0.1 | - | 2.3 | <0.5 | <0.2 | <0.5 | - | 0.287 | - | - | 3,430 | - |
| | | 9/12/2017 | <1.8 | <1.8 | - | <0.1 | - | 1.2 | <0.5 | <0.2 | <0.5 | - | 0.55 | - | - | 3,580 | - |
| SMBRP-9 | 45 feet | 12/15/2015 | <1.8 | <1.8 | 78.8 | <0.1 | 17.8 | 17.8 | <0.5 | 0.331 | <0.5 | 17.8 | 0.41 | 0.56 | 538 | 2,100 | 309 |
| | | 3/15/2016 | <1.8 | <1.8 | - | <0.1 | - | 15.1 | <0.5 | <0.2 | <0.5 | - | 0.462 | - | - | 2,100 | - |
| | | 9/20/2016 | 33 | <1.8 | 84.5 | <0.1 | 19.1 | 19.1 | <0.5 | <0.2 | <0.5 | 19.1 | 0.272 | 0.649 | 342 | 1,940 | 213 |
| | | 3/28/2017 | 9.3 | <1.8 | - | <0.1 | - | 22.2 | <0.5 | <0.2 | <0.5 | - | 0.101 | - | - | 2,080 | - |
| | | 9/12/2017 | 7.8 | <1.8 | 73.3 | <0.1 | 16.6 | 16.6 | <0.5 | <0.2 | <0.5 | 16.6 | 0.125 | 0.602 | 380 | 1,800 | 230 |
| SMBRP-12 | 25 feet | 12/16/2015 | <1.8 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | <0.5 | 6.41 | 5.81 | 5.81 | 1.36 | 0.923 | 426 | 2,140 | 478 |
| | | 3/15/2016 | <1.8 | <1.8 | - | <0.1 | - | <0.1 | 2.9 | 5.67 | 8.57 | - | 1.43 | - | - | 2,290 | - |
| | | 9/21/2016 | <1.8 | <1.8 | 0.6 | <0.1 | 0.128 | 0.1 | <0.5 | 8.85 | 8.28 | 8.28 | 0.753 | 1.25 | 871 | 7,930 | 3,140 |
| | | 3/29/2017 | 6.8 | <1.8 | - | <0.1 | - | <0.1 | <0.5 | 7.60 | 7.85 | - | 1.88 | - | - | 1,610 | - |
| | | 9/13/2017 | <1.8 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | <0.5 | 5.65 | 2.76 | 2.76 | 1.37 | 0.91 | 508 | 1,950 | 482 |
| SMBRP-13 | 19 feet | 12/15/2015 | 4.5 | <1.8 | - | <0.1 | - | <0.1 | <0.5 | 0.2 | <0.5 | - | 0.316 | - | - | 1,810 | - |
| | | 3/15/2016 | <1.8 | <1.8 | - | <0.1 | - | <0.1 | 0.556 | 0.884 | 1.44 | - | 0.461 | - | - | 27,500 | - |
| | | 9/21/2016 | <1.8 | <1.8 | - | <0.1 | - | 0.1 | <0.5 | <0.2 | <0.5 | - | <0.1 | - | - | 3,320 | - |
| | | 3/29/2017 | <1.8 | <1.8 | - | <0.1 | - | 0.5 | <0.5 | <0.2 | <0.5 | - | 1.61 | - | - | 4,620 | - |
| | | 9/13/2017 | 2 | <1.8 | - | 0.1 | - | <0.1 | <0.5 | 0.605 | <0.5 | - | 0.283 | - | - | 6,850 | - |
| MBCMW-09 | 9 feet | 9/23/2015 | *Well dry at time of sampling* | | | | | | | | | | | | | | |
| | | 3/16/2016 | 7.8 | <1.8 | - | <0.1 | - | <0.1 | 1.82 | <0.2 | 1.82 | - | 2.26 | - | - | 6,080 | - |
| | | 9/21/2016 | *Well dry at time of sampling* | | | | | | | | | | | | | | |
| | | 3/28/2017 | 11 | 4.5 | - | <0.1 | - | <0.1 | 1.22 | <0.2 | 1.22 | - | 0.307 | - | - | 4,980 | - |
| | | 9/13/2017 | *Well dry at time of sampling* | | | | | | | | | | | | | | |

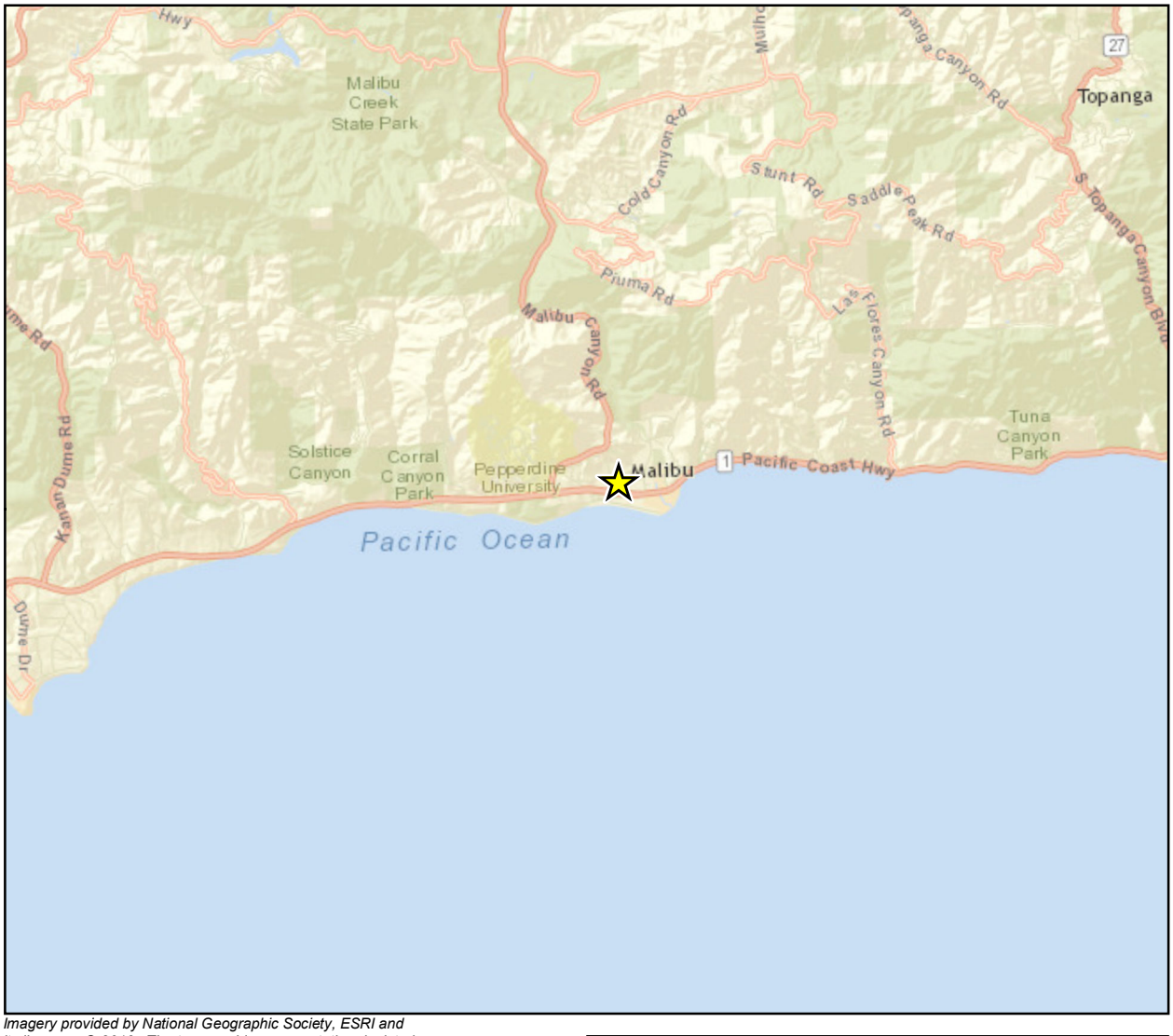
Table 4
Groundwater Analytical Results

| | | | Coliform Bacteria Analysis (MPN/100mL) | | Inorganic Analysis (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Well ID** | **Well Depth (BGS)** | **Sample Date** | **Total** | **Fecal** | **Nitrate as $NO_3$** | **Nitrite Nitrogen** | **Nitrate + Nitrite as N** | **Nitrate Nitrogen** | **Nitrogen, Organic** | **Ammonia Nitrogen** | **Kjeldahl Nitrogen** | **Nitrogen, Total as Nitrogen** | **Phosphorous, Total** | **Boron** | **Sulfate** | **Total Dissolved Solids (TDS)** | **Chloride** |
| MCWP-MW04S | 20 feet | 9/28/2015 | 17 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | 1.00 | <0.2 | 1.00 | 1.26 | 0.516 | 2.09 | 3440 | 6,510 | 480 |
| | | 12/15/2015 | <1.8 | <1.8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | 3/16/2016 | 1.8 | <1.8 | - | <0.1 | - | 0.2 | 1.60 | <0.2 | 1.60 | - | 0.548 | - | - | 6,320 | - |
| | | 9/21/2016 | <1.8 | <1.8 | 1.18 | <0.1 | 0.3 | 0.3 | 0.60 | <0.2 | 0.60 | 0.9 | 0.583 | 2.25 | 2980 | 6,750 | 744 |
| | | 3/28/2017 | 33 | <1.8 | - | <0.1 | - | 2.0 | 1.44 | <0.2 | 1.44 | - | 0.417 | - | - | 6,360 | - |
| | | 9/13/2017 | <1.8 | <1.8 | 3 | <0.1 | 0.671 | 0.7 | <0.5 | <0.2 | <0.5 | 0.671 | 0.449 | 2.11 | 2880 | 6,380 | 791 |
| MCWP-MW04D | 148 feet | 9/28/2015 | 17 | <1.8 | 6.44 | <0.1 | 1.5 | 1.5 | <0.5 | 0.117 | <0.5 | 1.5 | 0.154 | 0.772 | 527 | 1,630 | 216 |
| | | 3/17/2016 | <1.8 | <1.8 | - | <0.1 | - | 1.7 | <0.5 | <0.2 | <0.5 | - | <0.1 | - | - | 1,600 | - |
| | | 9/22/2016 | <1.8 | <1.8 | 8.63 | <0.1 | 1.9 | 1.9 | <0.5 | <0.2 | <0.5 | 1.9 | <0.1 | 0.774 | 531 | 1,550 | 232 |
| | | 3/30/2017 | 130 | <1.8 | - | <0.1 | - | 0.8 | <0.5 | <0.2 | <0.5 | - | 0.795 | - | - | 232 | - |
| | | 9/15/2017 | <1.8 | <1.8 | 8.05 | <0.1 | 1.8 | 1.8 | <0.5 | <0.2 | <0.5 | 1.8 | 0.123 | 0.866 | 554 | 1,600 | 250 |
| MCWP-MW05 | 154 feet | 9/23/2015 | - | - | - | - | - | 2.3 | - | - | - | - | - | - | - | 1,400 | - |
| | | 3/17/2016 | - | - | - | - | - | 2.1 | - | - | - | - | - | - | - | 1,400 | - |
| | | 9/22/2016 | - | - | - | - | - | 2.2 | - | - | - | - | - | - | - | 1,450 | - |
| | | 3/29/2017 | - | - | - | - | - | 2.4 | - | - | - | - | - | - | - | 171 | - |
| | | 9/15/2017 | - | - | - | - | - | 2.4 | - | - | - | - | - | - | - | 1,410 | - |
| MCWP-MW06 | 138 feet | 9/23/2015 | - | - | - | - | - | 0.2 | - | - | - | - | - | - | - | 1,590 | - |
| | | 3/16/2016 | - | - | - | - | - | 0.1 | - | - | - | - | - | - | - | 1,520 | - |
| | | 9/21/2016 | - | - | - | - | - | <0.1 | - | - | - | - | - | - | - | 1,550 | - |
| | | 3/28/2017 | - | - | - | - | - | 3.6 | - | - | - | - | - | - | - | 383 | - |
| | | 9/14/2017 | - | - | - | - | - | <0.1 | - | - | - | - | - | - | - | 1,630 | - |
| MCWP-MW07S | 20 feet | 9/22/2015 | 4.5 | <1.8 | 28.8 | <0.1 | 6.5 | 6.5 | <0.5 | <0.2 | <0.5 | 6.71 | 0.451 | 0.41 | 294 | 1,230 | 227 |
| | | 3/16/2016 | 49 | <1.8 | - | 0.24 | - | 4.8 | <0.5 | <0.2 | <0.5 | - | 2.39 | - | - | 1,180 | - |
| | | 9/20/2016 | <1.8 | <1.8 | 22.8 | <0.1 | 5.2 | 5.2 | <0.5 | <0.2 | <0.5 | 5.2 | 0.545 | 0.39 | 234 | 1,160 | 217 |
| | | 3/30/2017 | *Well not accessible at time of sampling* | | | | | | | | | | | | | | |
| | | 9/12/2017 | <1.8 | <1.8 | 22 | <0.1 | 5.0 | 5.0 | <0.5 | <0.2 | <0.5 | 5.0 | 0.214 | 0.387 | 268 | 1,150 | 201 |
| MCWP-MW07D | 130 feet | 9/22/2015 | <1.8 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | <0.5 | 0.23 | <0.5 | 0.524 | 0.318 | 0.476 | 1010 | 2,300 | 348 |
| | | 3/16/2016 | <1.8 | <1.8 | - | <0.1 | - | <0.1 | 1.15 | <0.2 | 1.15 | - | 0.239 | - | - | 2,470 | - |
| | | 9/22/2016 | <1.8 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | <0.5 | 0.283 | <0.5 | <0.5 | 0.125 | 0.412 | 474 | 1,680 | 229 |
| | | 3/30/2017 | *Well not accessible at time of sampling* | | | | | | | | | | | | | | |
| | | 9/15/2017 | 13 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | <0.5 | 0.168 | <0.5 | <0.5 | 0.181 | 0.465 | 600 | 1,860 | 262 |

Table 4
Groundwater Analytical Results

| | | | Coliform Bacteria Analysis (MPN/100mL) | | Inorganic Analysis (mg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Well ID** | **Well Depth (BGS)** | **Sample Date** | **Total** | **Fecal** | **Nitrate as $NO_3$** | **Nitrite Nitrogen** | **Nitrate + Nitrite as N** | **Nitrate Nitrogen** | **Nitrogen, Organic** | **Ammonia Nitrogen** | **Kjeldahl Nitrogen** | **Nitrogen, Total as Nitrogen** | **Phosphorous, Total** | **Boron** | **Sulfate** | **Total Dissolved Solids (TDS)** | **Chloride** |
| MCWP-MW09 | 95 feet | 12/16/2015 | <1.8 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | <0.5 | <0.2 | 1.41 | 1.41 | 0.218 | 0.74 | 590 | 2,570 | 723 |
| | | 3/15/2016 | <1.8 | <1.8 | - | <0.1 | - | <0.1 | 0.84 | 2.36 | 3.2 | - | 0.355 | - | - | 2,410 | - |
| | | 9/21/2016 | <1.8 | <1.8 | <0.4 | <2 | <0.1 | <0.1 | <0.5 | 4.18 | 3.88 | 3.88 | <0.1 | 0.972 | 807 | 4,920 | 1,740 |
| | | 3/29/2017 | 13 | 7.8 | - | <0.1 | - | 1.4 | 0.583 | <0.2 | 0.731 | - | 0.336 | - | - | 1,070 | - |
| | | 9/13/2017 | 2 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | <0.5 | 2.8 | 1.45 | 1.48 | 0.314 | 0.853 | 655 | 3,080 | 1,090 |
| MCWP-MW10 | 22 feet | 9/29/2015 | 2 | <1.8 | - | - | - | 0.4 | <1 | <0.2 | <1 | - | <0.1 | - | - | 1,550 | - |
| | | 3/15/2016 | 2 | <1.8 | - | <0.1 | - | 0.6 | 1.28 | <0.2 | 1.28 | - | <0.1 | - | - | 1,800 | - |
| | | 9/20/2016 | <1.8 | <1.8 | - | <0.1 | - | 0.7 | <0.5 | <0.2 | <0.5 | - | <0.1 | - | - | 1,730 | - |
| | | 3/29/2017 | <1.8 | <1.8 | - | <0.1 | - | 1.0 | <0.5 | <0.2 | <0.5 | - | <0.1 | - | - | 1,990 | - |
| | | 9/14/2017 | 17 | <1.8 | - | <0.1 | - | <0.1 | <0.5 | <0.2 | <0.5 | - | <0.1 | - | - | 6,720 | - |
| TY-MW-1 | 41 feet | 12/15/2015 | <1.8 | <1.8 | <0.4 | <0.1 | <0.1 | <0.1 | <0.5 | 1.09 | 0.613 | 0.703 | 0.416 | 0.272 | 658 | 2,170 | 410 |
| | | 3/16/2016 | <1.8 | <1.8 | - | <0.1 | - | <0.1 | 1.03 | 0.433 | 1.46 | - | 0.758 | - | - | 2,160 | - |
| | | 9/21/2016 | <1.8 | <1.8 | 0.218 | <0.1 | <0.1 | <0.1 | <0.5 | 0.432 | <0.5 | 0.516 | 1.64 | 0.286 | 610 | 2,290 | 396 |
| | | 3/29/2017 | 4.5 | <1.8 | - | <0.1 | - | 0.1 | 3.38 | 0.310 | 3.69 | - | 6.08 | - | - | 2,140 | - |
| | | 9/14/2017 | *Well not accessible at time of sampling* | | | | | | | | | | | | | | |
| CCPE | 52 feet | 9/23/2015 | >1,600 | 49 | - | - | - | 1.4 | <1 | <0.2 | <1 | - | <0.1 | - | - | 1,630 | - |
| | | 3/15/2016 | 240 | 4.5 | - | <0.1 | - | 0.9 | 0.664 | <0.2 | 0.664 | - | <0.1 | - | - | 1,800 | - |
| | | 9/20/2016 | 540 | <1.8 | - | <0.1 | - | 0.9 | <0.5 | <0.2 | <0.5 | - | <0.1 | - | - | 2,880 | - |
| | | 3/28/2017 | >1,600 | 350 | - | <0.1 | - | 0.6 | 3.6 | 1.11 | 4.71 | - | 0.932 | - | - | 968 | - |
| | | 9/13/2017 | 17 | <1.8 | - | <0.1 | - | <0.1 | <0.5 | <0.2 | <0.5 | - | 0.179 | - | - | 7,700 | - |

Notes:
mg/L: milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliter
BGS: below ground surface
<: below the Practical Quantitation Limit (PQL)
- : not reported




*Imagery provided by National Geographic Society, ESRI and its licensors © 2016. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.*

Project Location

N

0 1 2

Miles




Vicinity Map

Figure 1

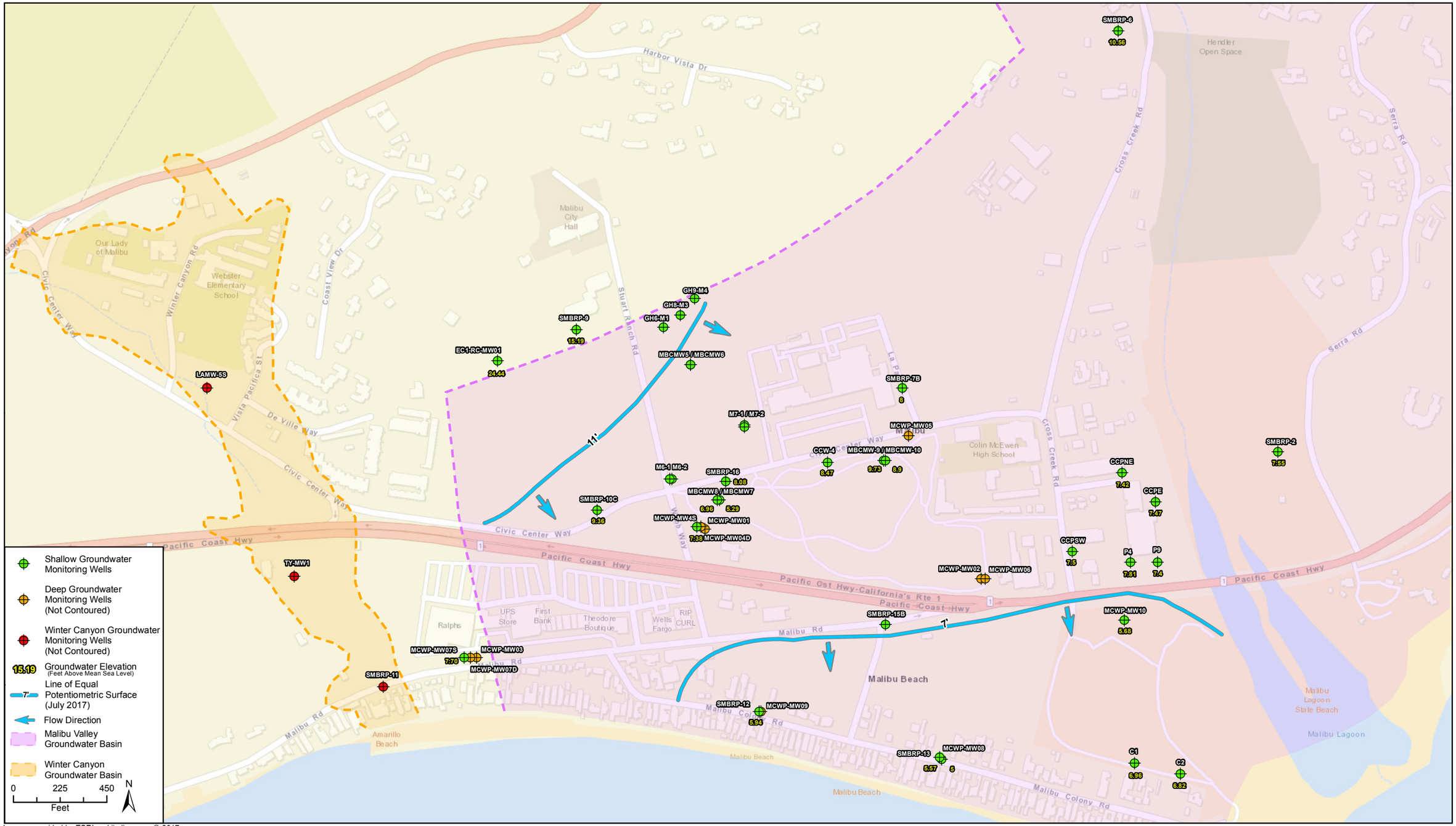



*Imagery provided by Google and its licensors © 2017.*

Site Map - Civic Center Area

Figure 2

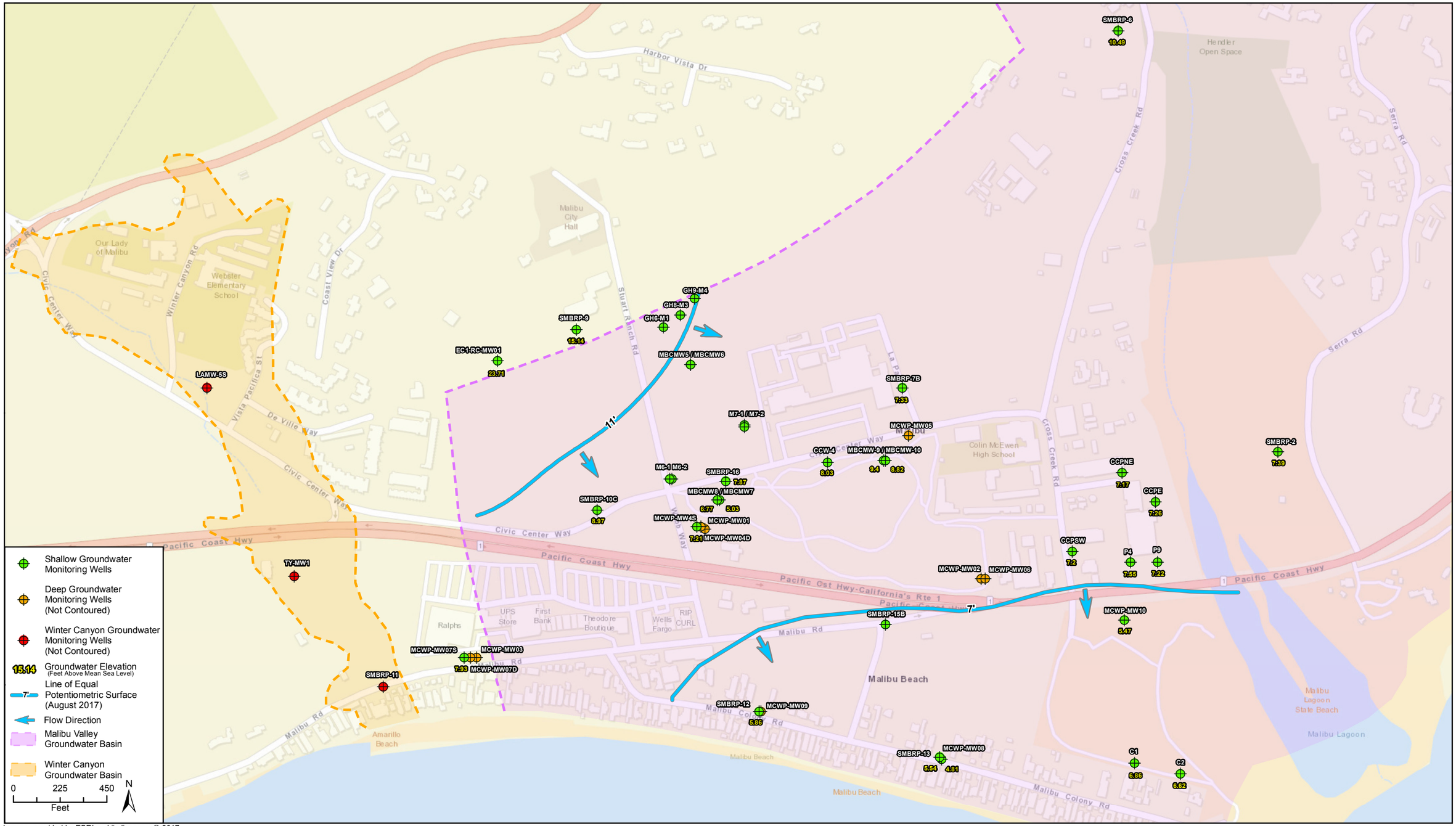
***Rincon Consultants Inc.***




*Imagery provided by ESRI and its licensors © 2017.*

Shallow Groundwater Elevation
July 2017

Figure 3

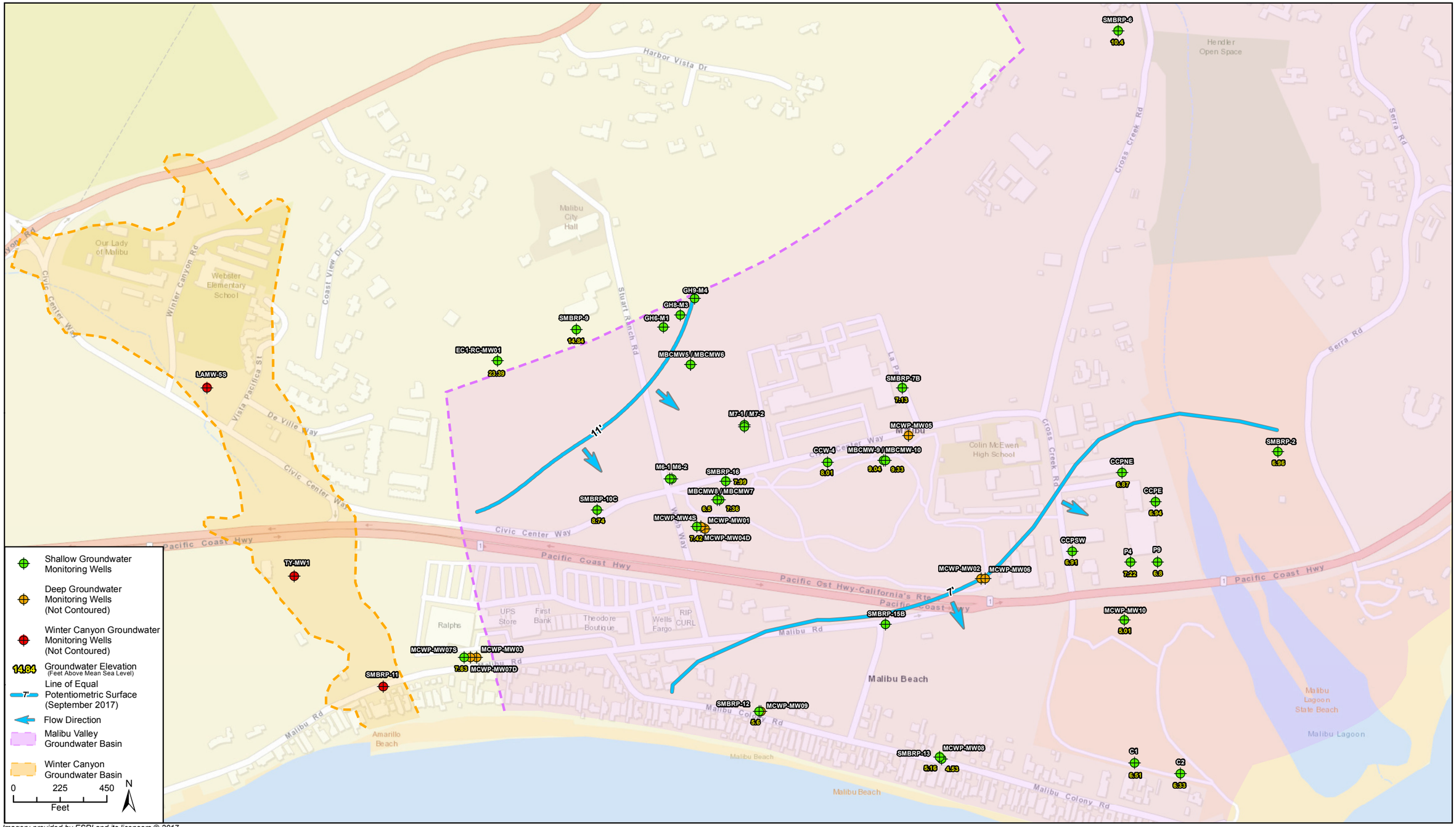



*Imagery provided by ESRI and its licensors © 2017.*

Shallow Groundwater Elevation
August 2017

Figure 4

***Rincon Consultants Inc.***




*Imagery provided by ESRI and its licensors © 2017.*

Shallow Groundwater Elevation
September 2017

Figure 5

***Rincon Consultants Inc.***

# Appendix A

*Groundwater and Surface Water Field Sheets*

RINCON CONSULTANTS, INC.
Sampler: Peter Shellenbarger
Weather 65°F, Clear w/ Haze, 0-5 mph (variable) @ 0800

Onsite: 0800
Offsite 1245

7-28-17
Malibu Civic Center
Task 5. DTW

**Table 1**

Groundwater Monitoring Well Construction

| | Well ID | Total Well Depth (ft bTOC) | Well Diameter (in) | TOC Elevation (ft amsl) | Depth to Water 7/28/2017 | Time | Depth to Water 8/24/2015 (ft bTOC) |
|---|---|---|---|---|---|---|---|
| 1 | C-1 | 14.5 | n/a | 11.47 | 4.51 | 0950 | n/a |
| 2 | C-2 | 14.5 | 2 | 11.19 | 4.37 | 0947 | 5.11 |
| 3 | CCPE | 20 | 2 | 12.935 | 5.47 | 1015 | 5.76 |
| 4 | CCPNE | | 2 | 13.675 | 6.26 | 1018 | 6.44 |
| 5 | CCPSW | | 2 | 13.67 | 6.17 | 1021 | 6.29 |
| 6 | CCW-4 | | 1 | 15.765 | 7.30 | 0858 | 6.5 |
| 7 | GH6-M1 | 35 | 2 | | 26.36 | 1157 | 28.92 |
| 8 | GH8-M3 | 40 | 2 | | 25.84 | 1152 | 28.37 |
| 9 | GH9-M4 | 45 | 2 | | 27.14 | 1149 | 30.31 |
| 10 | Lagoon | | n/a | | | | n/a |
| 11 | LAMW-5S | 20 | 4 | 104.55 | 49.08 | 0815 | 53.71 |
| 12 | M6-1 | 45 | 2 | | 6.97 | 1204 | 6.61 |
| 13 | M6-2 | 20 | 2 | | 6.55 | 1200 | 5.76 |
| 14 | M7-1 | 40 | 2 | | 8.37 | 1142 | 8.09 |
| 15 | M7-2 | 25 | 2 | | 8.28 | 1138 | 7.78 |
| 16 | MBCMW-5 | 19.4 | n/a | 29.03 | | | n/a |
| 17 | MBCMW-6 | 64.26 | n/a | 29.02 | | | n/a |
| 18 | MBCMW-7 | 52.5 | 2 | 16.635 | 11.35 | 0853 | 11.26 |
| 19 | MBCMW-8 | 10 | 2 | 16.53 | 9.57 | 0851 | 9.11 |
| 20 | MBCMW-9 | 10 | 2 | 17.71 | 7.98 | 0910 | 8.7 |
| 21 | MBCMW-10 | 53 | 2 | 17.74 | 8.84 | 0907 | 8.63 |
| 22 | MCWP-MW01 | 148 | 6 | | 10.45 | 1051 | 10.22 |
| 23 | MCWP-MW02 | 145 | 6 | 18.06 | 10.56 | 1030 | 10.39 |
| 24 | MCWP-MW03 | 134 | 6 | | 8.02 | 1104 | 7.65 |
| 25 | MCWP-MW04D | 148 | 4 | | 9.62 | 1055 | 9.35 |
| 26 | MCWP-MW04S | 20 | 4 | | 7.91 | 1058 | 7.55 |
| 27 | MCWP-MW05 | 158 | 4 | | WWTP Pump Station Construction | | 7.62 |
| 28 | MCWP-MW06 | 153 | 2 | | 10.03 | 1025 | 9.87 |

8.28

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 29 | MCWP-MW07D | 134 | 2 | | 7.91 | 1109 | 7.51 |
| 30 | MCWP-MW07S | 20 | 2 | | 5.79 | 1112 | 6.76 |
| 31 | MCWP-MW08 | 77 | 2 | | 7.21 | 1218 | 7.64 |
| 32 | MCWP-MW09 | 95 | 2 | 16.3 | 5.76 | 1228 | 7.52 |
| 33 | MCWP-MW10 | 60 | 2 | | 5.43 | 0940 | 5.7 |
| 34 | P-4 | 12.5 | 4 | 12.155 | 4.35 | 1010 | 4.58 |
| 35 | P-9 | 14.3 | 4 | 12.165 | 4.77 | 1012 | 5.07 |
| 36 | SMBRP-2 | 25 | 2 | 13.131 | 5.58 | 0933 | 6.04 |
| 37 | SMBRP-6 | 25 | 2 | 26.875 | 16.32 | 0923 | 16.49 |
| 38 | SMBRP-7b | 45 | 2 | 18.985 | 10.99 | 0904 | 10.69 |
| 39 | SMBRP-8 (EG-RC | 60 | 4 | | 24.25 | 0833 | 28.74 |
| 40 | SMBRP-9 | 45 | 2 | 50.32 | 35.13 | 0829 | 38.24 |
| 41 | SMBRP-10C | 25 | 2 | 16.25 | 6.89 | 0825 | 7.37 |
| 42 | SMBRP-11 | 20 | 2 | 18.35 | 8.25 | 1117 | 8.88 |
| 43 | SMBRP-12 | 25 | 2 | 12.615 | 6.68 | 1223 | 5.69 |
| 44 | SMBRP-13 | 20 | 2 | 13.58 | 8.01 | 1215 | 8.32 |
| 45 | SMBRP-15b | 25 | 1 | 16.765 | | | dry, recorded depth 8.77 Lost Dry |
| 46 | SMBRP-16 | 25 | 2 | 14.5 | 6.42 | 0846 | 4.95 |

SMBRP-16 well box/lid damaged during pump station installation

SMBRP-6 water level very low (ponding/pools only); large algae mats cover Malibu Creek Bottom

Lagoon Stage Full → appear Berm Berm is closed (estuary not tidal influenced at moment)


Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW01
AMW-5S
MBCMW-6
M7-2
M7-1
SMBRP-7B
MCWP-MW05
CCW-1
M6-1
SMBRP-16
MBCMW-9
CCPNE
SMBRP-2
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
CCPE
MBCMW-7
CCPSW
P-9
MCWP-MW01
MCWP-MW04S
MCWP-MW02
MCWP-MW04D
MCWP-MW06
MCWP-MW10
SMBRP-15S
MCWP-MW07S
MCWP-MW03
SMBRP-11
MCWP-MW07D
SMBRP-12
MCWP-MW09
SMBRP-13
MCWP-MW08
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
5/1/2018
2012.190
1

- Malibu Creek Dry wl algae mats at Bridge

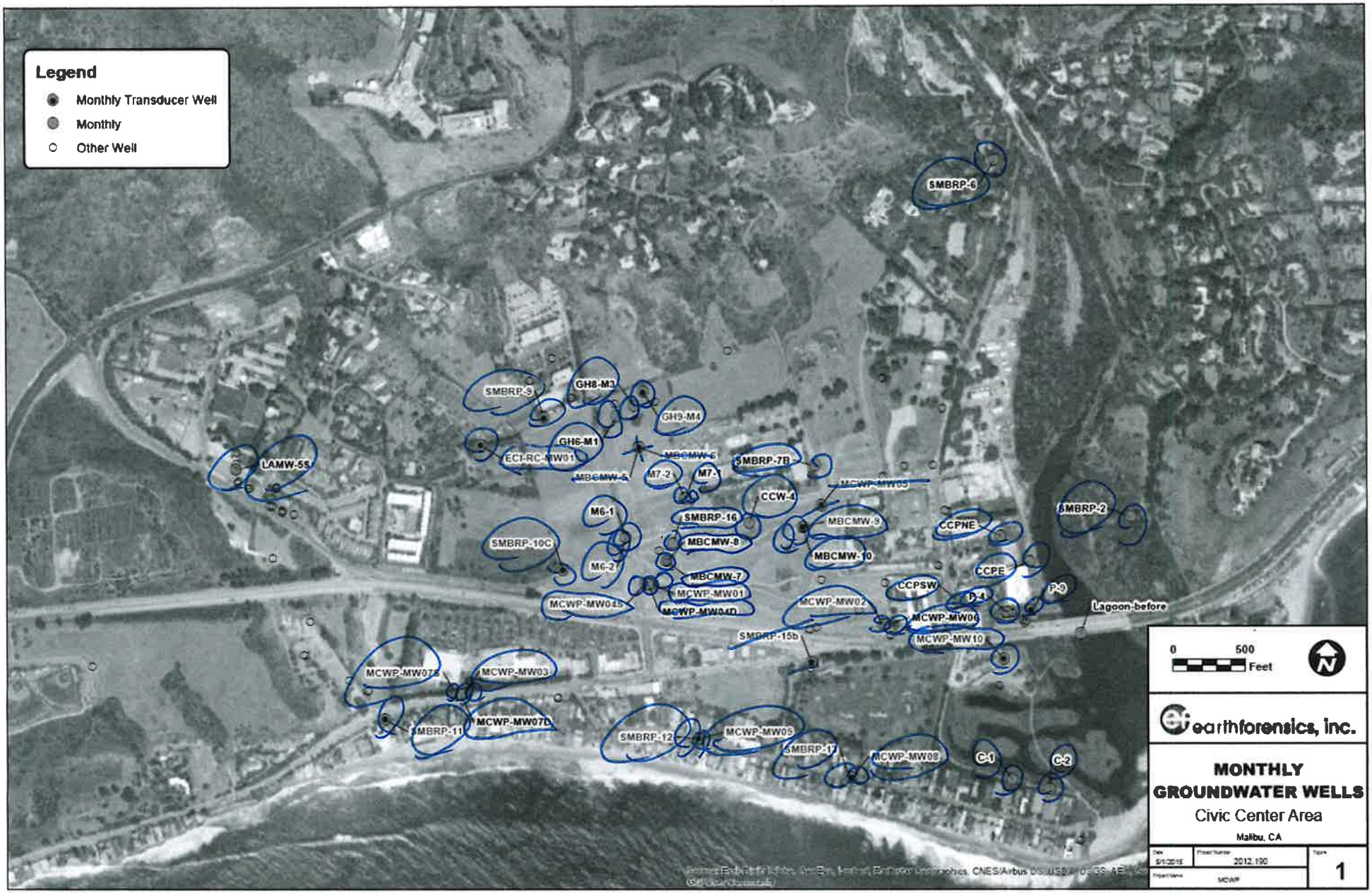
- Malibu lagoon Stage full (closed)

RINCON Employee: Peter Shellenbarger
Time In: 0800
Time Out: 1215
Date: 8-25-17
Task 5 + DTW Malibu Civic Center

**Table 1**
Groundwater Monitoring Well Construction

| | Well ID | Total Well Depth (ft bTOC) | Well Diameter (in) | TOC Elevation (ft amsl) | Depth to Water 8/25/17 ~~7/28/2017~~ | Time | Depth to Water 8/24/2015 (ft bTOC) |
|---|---|---|---|---|---|---|---|
| 1 | C-1 | 14.5 | n/a | 11.47 | 4.61 | 1031 | n/a |
| 2 | C-2 | 14.5 | 2 | 11.19 | 4.57 | 1035 | 5.11 |
| 3 | CCPE | 20 | 2 | 12.935 | 5.68 | 1013 | 5.76 |
| 4 | CCPNE | | 2 | 13.675 | 6.51 | 1016 | 6.44 |
| 5 | CCPSW | | 2 | 13.67 | 6.47 | 1019 | 6.29 |
| 6 | CCW-4 | | 1 | 15.765 | 7.74 | 0905 | 6.5 |
| 7 | GH6-M1 | 35 | 2 | | 26.61 | 0853 | 28.92 |
| 8 | GH8-M3 | 40 | 2 | | 26.13 | 0856 | 28.37 |
| 9 | GH9-M4 | 45 | 2 | | 27.57 | 0859 | 30.31 |
| 10 | Lagoon | | n/a | | — | — | n/a |
| 11 | LAMW-5S | 20 | 4 | 104.55 | 49.77 | 1131 | 53.71 |
| 12 | M6-1 | 45 | 2 | | 7.14 | 0843 | 6.61 |
| 13 | M6-2 | 20 | 2 | | 6.58 | 0846 | 5.76 |
| 14 | M7-1 | 40 | 2 | | 8.61 | 0839 | 8.09 |
| 15 | M7-2 | 25 | 2 | | 8.58 | 0837 | 7.78 |
| 16 | MBCMW-5 | 19.4 | n/a | 29.03 | — | — | n/a |
| 17 | MBCMW-6 | 64.26 | n/a | 29.02 | — | — | n/a |
| 18 | MBCMW-7 | 52.5 | 2 | 16.635 | 11.61 | 0827 | 11.26 |
| 19 | MBCMW-8 | 10 | 2 | 16.53 | 9.76 | 0830 | 9.11 |
| 20 | MBCMW-9 | 10 | 2 | 17.71 | 8.31 | 0912 | 8.7 |
| 21 | MBCMW-10 | 53 | 2 | 17.74 | 8.92 | 0910 | 8.63 |
| 22 | MCWP-MW01 | 148 | 6 | | 10.29 | 1109 | 10.22 |
| 23 | MCWP-MW02 | 145 | 6 | 18.06 | 10.62 | 1056 | 10.39 |
| 24 | MCWP-MW03 | 134 | 6 | | 7.58 | 1141 | 7.65 |
| 25 | MCWP-MW04D | 148 | 4 | | 9.46 | 1112 | 9.35 |
| 26 | MCWP-MW04S | 20 | 4 | | 8.08 | 1115 | 7.55 |
| 27 | MCWP-MW05 | 158 | 4 | | NA — | — WWTP construction | 7.62 |
| 28 | MCWP-MW06 | 153 | 2 | | 10.06 | 1052 | 9.87 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 29 | MCWP-MW07D | 134 | 2 | | 7.44 | 1143 | 7.51 |
| 30 | MCWP-MW07S | 20 | 2 | | 6.09 | 1146 | 6.76 |
| 31 | MCWP-MW08 | 77 | 2 | | 7.60 | 1200 | 7.64 |
| 32 | MCWP-MW09 | 95 | 2 | 16.3 | 5.78 | 1208 | 7.52 |
| 33 | MCWP-MW10 | 60 | 2 | | 5.64 | 1025 | 5.7 |
| 34 | P-4 | 12.5 | 4 | 12.155 | 4.61 | 1007 | 4.58 |
| 35 | P-9 | 14.3 | 4 | 12.165 | 4.95 | 1010 | 5.07 |
| 36 | SMBRP-2 | 25 | 2 | 13.131 | 5.74 | 0956 | 6.04 |
| 37 | SMBRP-6 | 25 | 2 | 26.875 | 16.39 | 0932 | 16.49 |
| 38 | SMBRP-7b | 45 | 2 | 18.985 | 11.66 | 0917 | 10.69 |
| 39 | SMBRP-8 (EG-RC | 60 | 4 | | 24.98 | 0807 | 28.74 |
| 40 | SMBRP-9 | 45 | 2 | 50.32 | 35.18 | 0802 | 38.24 |
| 41 | SMBRP-10C | 25 | 2 | 16.25 | 7.28 | 1127 | 7.37 |
| 42 | SMBRP-11 | 20 | 2 | 18.35 | 8.26 | 1151 | 8.88 |
| 43 | SMBRP-12 | 25 | 2 | 12.615 | 6.76 | 1205 | 5.69 |
| 44 | SMBRP-13 | 20 | 2 | 13.58 | 8.04 | 1158 | 8.32 |
| 45 | SMBRP-15b | 25 | 1 | 16.765 | | | dry, recorded depth 8.77 |
| 46 | SMBRP-16 | 25 | 2 | 14.5 | 6.63 | 0823 | 4.95 |


Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW01
LAMW-5S
MBCMW-6
MBCMW-5
M7-2
M7-1
SMBRP-7B
MCWP-MW05
CCW-4
M6-1
SMBRP-16
MBCMW-9
CCPNE
SMBRP-2
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
CCPE
MBCMW-7
CCPSW
MCWP-MW01
P-4
P-9
MCWP-MW04S
MCWP-MW04D
MCWP-MW02
Lagoon-before
MCWP-MW06
SMBRP-15b
MCWP-MW10
MCWP-MW07S
MCWP-MW03
SMBRP-11
MCWP-MW07D
SMBRP-12
MCWP-MW09
SMBRP-17
MCWP-MW08
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
5/1/2015
2012.190
MCWP
1

SMBRP. 6 - algal mats @ Serra Retreat Bridge.

Start 0715
End 1245

09-11-17
Malibu Civic Center DTW Task 5

Sampler: Peter Shelle, Jbayer
Matt Pendleton

**Table 1**

Groundwater Monitoring Well Construction

| | Well ID | Total Well Depth (ft bTOC) | Well Diameter (in) | TOC Elevation (ft amsl) | Depth to Water 9/11/2017 | Time | Depth to Water 8/24/2015 (ft bTOC) |
|---|---|---|---|---|---|---|---|
| 1 | C-1 | 14.5 | n/a | 11.47 | 4.96 | 0916 | n/a |
| 2 | C-2 | 14.5 | 2 | 11.19 | 4.86 | 0911 | 5.11 |
| 3 | CCPE | 20 | 2 | 12.935 | 6.00 | 0936 | 5.76 |
| 4 | CCPNE | | 2 | 13.675 | 6.81 | 0939 | 6.44 |
| 5 | CCPSW | | 2 | 13.67 | 6.76 | 0944 | 6.29 |
| 6 | CCW-4 | | 1 | 15.765 | 7.76 | 0756 | 6.5 |
| 7 | GH6-M1 | 35 | 2 | | 26.81 | 1152 | 28.92 |
| 8 | GH8-M3 | 40 | 2 | | 26.33 | 1143 | 28.37 |
| 9 | GH9-M4 | 45 | 2 | | ~~27.50~~ 27.67 | 1140 | 30.31 |
| 10 | Lagoon | | n/a | | | | n/a |
| 11 | LAMW-5S | 20 | 4 | 104.55 | 49.75 | 1036 | 53.71 |
| 12 | M6-1 | 45 | 2 | | ~~7.18~~ 7.18 | ~~1202~~ 1200 | 6.61 |
| 13 | M6-2 | 20 | 2 | | 6.30 | 1157 | 5.76 |
| 14 | M7-1 | 40 | 2 | | 8.76 | 1125 | 8.09 |
| 15 | M7-2 | 25 | 2 | | 7.45 | 1122 | 7.78 |
| 16 | MBCMW-5 | 19.4 | n/a | 29.03 | | | n/a |
| 17 | MBCMW-6 | 64.26 | n/a | 29.02 | | | n/a |
| 18 | MBCMW-7 | 52.5 | 2 | 16.635 | 9.28 | 0751 | 11.26 |
| 19 | MBCMW-8 | 10 | 2 | 16.53 | 10.03 | 0753 | 9.11 |
| 20 | MBCMW-9 | 10 | 2 | 17.71 | 8.67 | 0815 | 8.7 |
| 21 | MBCMW-10 | 53 | 2 | 17.74 | 8.41 | 0814 | 8.63 |
| 22 | MCWP-MW01 | 148 | 6 | | 10.60 | 1015 | 10.22 |
| 23 | MCWP-MW02 | 145 | 6 | 18.06 | 10.79 | 1005 | 10.39 |
| 24 | MCWP-MW03 | 134 | 6 | | 7.92 | 1058 | 7.65 |
| 25 | MCWP-MW04D | 148 | 4 | | 9.72 | 1018 | 9.35 |
| 26 | MCWP-MW04S | 20 | 4 | | 7.87 | 1021 | 7.55 |
| 27 | MCWP-MW05 | 158 | 4 | | 8.15 | 0808 | 7.62 |
| 28 | MCWP-MW06 | 153 | 2 | | 10.41 | 1001 | 9.87 |

Lagoon Stage very high. Berm closed.

TY-MW-1 -> lost (Pictures)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | * 6.02 @ @1515 | | |
| 29 | MCWP-MW07D | 134 | 2 | | 7.91 | 1052 | 7.51 |
| 30 | MCWP-MW07S | 20 | 2 | * | NO access - car parked on | | 6.76 |
| 31 | MCWP-MW08 | 77 | 2 | | 7.68 | 1219 | 7.64 |
| 32 | MCWP-MW09 | 95 | 2 | 16.3 | 5.85 | 1224 | 7.52 |
| 33 | MCWP-MW10 | 60 | 2 | | 6.10 | 0854 | 5.7 |
| 34 | P-4 | 12.5 | 4 | 12.155 | 4.94 | 0929 | 4.58 |
| 35 | P-9 | 14.3 | 4 | 12.165 | 5.37 | 0932 | 5.07 |
| 36 | SMBRP-2 | 25 | 2 | 13.131 | 6.17 | 0839 | 6.04 |
| 37 | SMBRP-6 | 25 | 2 | 26.875 | 16.48 | 0827 | 16.49 |
| 38 | SMBRP-7b | 45 | 2 | 18.985 | 11.86 | 0804 | 10.69 |
| 39 | SMBRP-8 (EG-RC | 60 | 4 | | 25.30 | 0739 | 28.74 |
| 40 | SMBRP-9 | 45 | 2 | 50.32 | 35.48 | 0732 | 38.24 |
| 41 | SMBRP-10C | 25 | 2 | 16.25 | 7.51 | 1027 | 7.37 |
| 42 | SMBRP-11 | 20 | 2 | 18.35 | 8.50 | 1100 | 8.88 |
| 43 | SMBRP-12 | 25 | 2 | 12.615 | 7.02 | 1226 | 5.69 |
| 44 | SMBRP-13 | 20 | 2 | 13.58 | 8.42 | 1216 | 8.32 |
| 45 | SMBRP-15b | 25 | 1 | 16.765 | | Dry | dry, recorded depth 8.77 |
| 46 | SMBRP-16 | 25 | 2 | 14.5 | 6.51 | 0747 | 4.95 |

City of Malibu
P# 15-01587

8-29-17
Civic Center
Surface Water
Sampling

Arrive: 1000 AM
Sampler: Peter Shellenbarger
Rincon Consultants, Inc.

L-001 @ 1020

L-002 @ 1220

L-003 @ 1045

L-004 @ 1155

L-005 @ 1105

Sample Taken @ Beach side of lagoon; no access to L-005.

L-006 @ 1205

N-001 @ ~~1230~~ 1320

N-002 @ ~~1245~~ 1340

N-003 @ 1055

N-004 @ 1255

Weather: Clear, 80°F, ~~5-10~~ 5-10 NW wind
Malibu Creek: dry, ponded w/ algae mats @ Bridge in Serra Retreat
Lagoon: Berm closed. High Stage
Malibu Creek: Full @ Hwy 1.

Samples Delivered to FHL @ 1520

Peter Shellenbarger 8-29-17

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

**Quarterly**

# CHAIN OF CUSTODY
*www.fglinc.com*
Field Copy (3 of 3)

**4053:09/04/2017**

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Client: **Rincon Consultants, Inc.**

Address: Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

Project Name: **Malibu WWTP - SW Monitoring**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s)

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** **2-25173**

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3 | Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | N-001 | 9-29 | 1420 | G | SW | | | | 1 | 1,1 | | | | | | | |
| 2 | N-002 | | 1440 | G | SW | | | | 1 | 1,1 | | | | | | | |
| 3 | N-003 | | | G | SW | | | | 1 | 1,1 | | | | | | | |
| 4 | N-004 | | 1455 | G | SW | | | | 1 | 1,1 | | | | | | | |
| 5 | L-001 | | 1420 | G | SW | | | | 1 | 1,1 | | | | | | | |
| 6 | L-002 | | 1420 | G | SW | | | | 1 | 1,1 | | | | | | | |
| 7 | L-003 | | 1435 | G | SW | | | | 1 | 1,1 | | | | | | | |
| 8 | L-004 | | 1455 | G | SW | | | | 1 | 1,1 | | | | | | | |
| 9 | L-005 | | 1115 | G | SW | | | | 1 | 1,1 | | | | | | | |
| 10 | L-006 | X | 1205 | G | SW | | | | 1 | 1,1 | | | | | | | |

Remarks:

2°C

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| Received By: | Date: | Time: | Received By: | Date: | Time: | Received By: | Date: | Time: |


**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
Phone: (209) 942-0182
Fax: (209) 942-0423

**Office & Laboratory**
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818
Fax: (530) 343-3807

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
Phone: (805) 783-2940
Fax: (805) 783-2912

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
Phone: (559) 734-9473
Fax: (559) 734-8435

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET** Purge Sample

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 09-11-17 09-12-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | LAMW-55 |
| Observation Period | Start: 1605 Stop: 1710 | Survey Reference Point: | TOC |
| Sampled By: | MP / PS | Witnessed By: | PS/MP |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 60 |
| Well Diameter (in) | 4 inch | Depth of Well (ft) | 73.43 |
| Initial/Static Depth to Water (ft) | 49.75 | Length of Water Column (ft) | 23.68 |
| Product Thickness (ft) | | Volume Multiplier (gal/ft) | 0.65 |
| One Casing Volume (gal) | 15.39 | Three Casing Volumes (gal) | 46.18 |
| Purge Time, Start | 1617 | Purge Time, Stop | 1654 |
| Total Purge Time (minutes) | 37 | Purge Rate (gpm) | 0.891 |
| Purge Volume (gal) | 33 | Depth to Water (ft) at Sampling | 49.77 |

**CASING OR BOREHOLE VOLUME**

5 gallon #1?

0.5-inch Diameter = 0.010 gal/ft
0.75-inch Diameter = 0.023 gal/ft
1-inch Diameter = 0.041 gal/ft
1.5-inch Diameter = 0.092 gal/ft
2-inch Diameter = 0.16 gal/ft
4-inch Diameter = 0.65 gal/ft
6-inch Diameter = 1.46 gal/ft
9-inch Diameter = 3.30 gal/ft
12-inch Diameter = 5.87 gal/ft
15-inch Diameter = 9.18 gal/ft

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 15.39 | 30.78 | 46.18 | | | At Sample | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (ppm) mg/L | 749 | 760 | 748 | | | | 538 ppm | ~~361 ppm~~ |
| Turbidity (measured or visual) cloudy, clear, muddy NTU | 12.09 | 20.20 | 346.05 | | | | Sl. Cloudy | ~~Sl. Cloudy~~ |
| Temperature (C) | 27.03 | 25.36 | 24.55 | Dump 0 | | | 25.1 | ~~23.8~~ |
| Conductivity (micromhos) us/cm | 1200.5 | 1182.9 | 1142.0 | 33 gallons | | | 1063 us | ~~754 micromhos~~ |
| pH | 7.47 | 7.73 | 7.06 | | | | 6.65 | ~~3.89~~ |
| Dissolved Oxygen (mg/L & %) | 22.0 % | 1.77 | 2.36 | | | | 29.5 % | ~~30.2 %~~ |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | | | | | |
| Drawdown (ft) | | | | 23.68 | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 75°F, 5-10 NW, clear Humid

Comments:

Sampled at: 0837 sample Date 9-7-11

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

49.75 + 0.2 * 23.68 = 54.49

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET** Purge / Sample

| | |
|---|---|
| Job No: 15-01587 | Date: 9-13-17 / 9-14-17 |
| Project/Location Malibu, CA Civic Center Area | Well Number: LAMW-5S |
| Observation Period Start: 1515 Stop: 1615 | Survey Reference Point: TOC |
| Sampled By: MP/RJS | Witnessed By: |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | GrundFos | Pump Inlet Depth (ft) | 60 |
| Well Diameter (in) | 4 in. | Depth of Well (ft) | 73.43 |
| Initial/Static Depth to Water (ft) | 49.77 | Length of Water Column (ft) | 23.66 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.65 |
| One Casing Volume (gal) | 15.38 | Three Casing Volumes (gal) | 46.14 |
| Purge Time, Start | 1521 | Purge Time, Stop | 1554 |
| Total Purge Time (minutes) | 33 | Purge Rate (gpm) | 1.14 |
| Purge Volume (gal) | 29 gal | Depth to Water (ft) at Sampling | 49.79 |

**CASING OR BOREHOLE VOLUME**

5 gallon
111

0.5-inch Diameter = 0.010 gal/ft
0.75-inch Diameter = 0.023 gal/ft
1-inch Diameter = 0.041 gal/ft
1.5-inch Diameter = 0.092 gal/ft
2-inch Diameter = 0.16 gal/ft
4-inch Diameter = 0.65 gal/ft
6-inch Diameter = 1.46 gal/ft
9-inch Diameter = 3.30 gal/ft
12-inch Diameter = 5.87 gal/ft
15-inch Diameter = 9.18 gal/ft

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 15.38 | 30.76 | 46.14 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS ~~(ppm)~~ ppt | 0.61 | 0.56 | | | | | | |
| Turbidity (measured or visual) cloudy, clear, muddy | Muddy Cloudy | Cloudy-Muddy Brn | | | | | | |
| Temperature (C) | 25.1 | 24.9 | | Dry at 29 gallons | | | | |
| Conductivity (micromhos) | 1.22 mS | 1.12mS | | | | | | |
| pH | 7.05 | 7.03 | | | | | | |
| Dissolved Oxygen (mg/L & %) | 28.0 % | 25.0% | | | | | | |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | | | | | |
| Drawdown (ft) | | | | | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: 10 MPH West wind Sunny, 92°F Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 10 MPH West wind sunny.

Comments: Resample FGL Bacti; Sampled at: 1225 on 9-14-17

Well Recovery Calculation
Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

49.77 + 0.2 * 23.66 = 54.502

Resample for bacteria – FGL mess-up.

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET**

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9-11-17 Purge / 9-12-17 sample |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | SMBRP-9 |
| Observation Period | Start: 1318 Stop: 1400 | Survey Reference Point: | TOC |
| Sampled By: | MP / PS | Witnessed By: | PS / MP |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grunfos | Pump Inlet Depth (ft) | 40 |
| Well Diameter (in) | 2" | Depth of Well (ft) | 45 |
| Initial/Static Depth to Water (ft) | 35.48 | Length of Water Column (ft) | 9.52 |
| Product Thickness (ft) | Ø | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 1.52 | Three Casing Volumes (gal) | 4.57 |
| Purge Time, Start | 1336 | Purge Time, Stop | 1346 |
| Total Purge Time (minutes) | 10 | Purge Rate (gpm) | 0.5 |
| Purge Volume (gal) | 5 | Depth to Water (ft) at Sampling | 35.39 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 1.5 | 3.0 | 4.5 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (ppm) mg/L | 787 | 1772 | 1774 | 1780 | | | | 1437 |
| Turbidity (measured or visual) cloudy, clear, muddy | 28.6 | 22.4 | 9.96 | 50.08 | Well | has | | Clear |
| Temperature (C) | 26.5 | 25.76 | 25.45 | 26.11 | history of | | | 27.5 |
| Conductivity (micromhos) | 28873 | 2779 | 2756.5 | 2796.6 | running dry | | | 2874 |
| pH | 6.38 | 6.96 | 7.38 | 7.48 | @ | Purge. | | 7.35 |
| Dissolved Oxygen (mg/L & %) | 44.7 | 35.0 | 31.3 | 23.3 | Did | not | run | ~~21.4~~ 18.0 |
| Comments: | | | | | Dry | @ | Purge | |
| Depth to Water at End of Purge (ft) | | | | 39.56 | | | | |
| Drawdown (ft) | | | | 4.08 | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 83°F, Sunny

Comments:

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

35.48 + 0.2 * 4.08 = 36.30

Sampled at: 1150 on 9-12-17

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET** Purge

| | |
|---|---|
| Job No: 15-01587 | Date: 09-11-17 |
| Project/Location Malibu, CA Civic Center Area | Well Number: MBCMW-9 |
| Observation Period Start: 1630 Stop: 1700 | Survey Reference Point: TOC |
| Sampled By: Matt Pendleton / RJS | Witnessed By: |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Bailer | Pump Inlet Depth (ft) | — |
| Well Diameter (in) | 2 | Depth of Well (ft) | 9.2 |
| Initial/Static Depth to Water (ft) | 8.67 | Length of Water Column (ft) | 0.55 |
| Product Thickness (ft) | ϕ | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 0.088 | Three Casing Volumes (gal) | 0.264 |
| Purge Time, Start | — | Purge Time, Stop | — |
| Total Purge Time (minutes) | — | Purge Rate (gpm) | — |
| Purge Volume (gal) | — | Depth to Water (ft) at Sampling | — |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 0.088 | 0.176 | 0.264 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (ppm) mg/L | 5179 | | | | | | | |
| Turbidity (measured or visual) cloudy, clear, muddy NTU | 653.90 | Dry at Before Purge | | | | | | 11 |
| Temperature (C) | 23.50 | | | | | | | |
| Conductivity (micromhos) us/cm | 7739.1 | | | | | | | — |
| pH | 6.96 | | | | | | | |
| Dissolved Oxygen (mg/L & %) | 4.24 mg/L | < 0.088 gallons collected and measured with YSI | | Well Dry | 9-12-17 | | than 0.05 | |
| Comments: | | | | | with Less in water Column | | - Can't Sample | |
| Depth to Water at End of Purge (ft) | | | | | | | | |
| Drawdown (ft) | | | | | | | | |

**MISCELLANEOUS DATA**

| | |
|---|---|
| Condition of Traffic Box: | Good |
| Drum Identification labeling: | **Non-Hazardous Waste** |
| Water Level Indicator: | **Solinst Model 101** |
| Weather Conditions: | 75°F, 5-10 NW, Clear, Humid |

Comments: Sampled at: —

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.2 + 0.2 * 0.53 = —

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET**

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9-11-17 Purge / 9-12-17 Sample |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | MCWP - MW04S |
| Observation Period Start: | 1405 Stop: 1500 | Survey Reference Point: | TOC |
| Sampled By: | MP/PS | Witnessed By: | MP/PS |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 10 |
| Well Diameter (in) | 4 | Depth of Well (ft) | 20.45 |
| Initial/Static Depth to Water (ft) | 7.87 | Length of Water Column (ft) | 12.58 |
| Product Thickness (ft) | | Volume Multiplier (gal/ft) | 0.65 |
| One Casing Volume (gal) | 8.177 | Three Casing Volumes (gal) | 24.531 |
| Purge Time, Start | 1418 | Purge Time, Stop | 1442 |
| Total Purge Time (minutes) | 24 | Purge Rate (gpm) | 0.5 gpm |
| Purge Volume (gal) | 12 gal | Depth to Water (ft) at Sampling | 8.47 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 8 | 16.5 | 24.5 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS ~~(ppm)~~ mg/L | 4611 | 5235 | | | | | | 3.71 PPT |
| Turbidity (~~measured or visual~~) ~~cloudy, clear, muddy~~ (NTU) | 2.07 | 9.57 | | | | | | sl. cloudy yellow tint |
| Temperature (C) | 28.88 | 26.36 | | DTC | | | | 21.1°C |
| Conductivity (micromhos) | 7611.7 | 8264.9 | | | 12 gallons | | | 7.42 millisiemens |
| pH | 7.41 | 7.41 | | | | | | 7.55 |
| Dissolved Oxygen (mg/L & %) | 1.15 mg/L | 1.37 mg/L | | | | | | 43.6% |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | 20.45 | | | | |
| Drawdown (ft) | | | | 12.58 | | | | |

**MISCELLANEOUS DATA**

| | |
|---|---|
| Condition of Traffic Box: | Good |
| Drum Identification labeling: | **Non-Hazardous Waste** |
| Water Level Indicator: | **Solinst Model 101** |
| Weather Conditions: | 75°F, 5-10 mph NW, sunny, humid |

Comments: Sampled at: 0880

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.87 + 0.2 * ~~Purging~~ 12.58 = 10.39

DTW 12.08' at 1131 on 9-12-17

Returned on 9-13-17 for sampling

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET** Purge / Sample

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9-11-17 / 9-12-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | MCWP- MW07S |
| Observation Period | Start: 1505 Stop: 1600 | Survey Reference Point: | TOC |
| Sampled By: | MP/PS | Witnessed By: | PS/MP |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 8 ft |
| Well Diameter (in) | 2 inch | Depth of Well (ft) | 17.22 |
| Initial/Static Depth to Water (ft) | 6.02 | Length of Water Column (ft) | 11.2 |
| Product Thickness (ft) | ——— | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 1,792 | Three Casing Volumes (gal) | 5.38 |
| Purge Time, Start | 1521 | Purge Time, Stop | 1534 |
| Total Purge Time (minutes) | 13 | Purge Rate (gpm) | 0.384 |
| Purge Volume (gal) | 5 | Depth to Water (ft) at Sampling | 5.95 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 1.8 | 3.5 | 5.38 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (~~ppm~~) mg/L | 1385 | 1209 | 1235 | | | | | 923 |
| Turbidity (measured or visual) cloudy, clear, muddy | 133.89 | 112.27 | 4509.1 | | | | | Clear |
| Temperature (C) | 29.03 | 25.14 | 24.08 | | | | | 25.9 |
| Conductivity (micromhos) | 2275.8 | 1863.4 | 1868.3 | | | | | 1847 |
| pH | 7.77 | 7.63 | 7.63 | | | | | 7.12 |
| Dissolved Oxygen (mg/L & %) | 31.1 | 28.2 | 13.3 | | | | | 37.4% |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | | | | | |
| Drawdown (ft) | | | | | | | | |

DM @ 5 gallons

**MISCELLANEOUS DATA**

| | |
|---|---|
| Condition of Traffic Box: | Good |
| Drum Identification labeling: | **Non-Hazardous Waste** |
| Water Level Indicator: | **Solinst Model 101** |
| Weather Conditions: | 75°F, 10-15 mph NW, Clear, Humid |

Comments:

Sampled at: 1015 9-12-17

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

17.22 + 0.2 * 11.2 = 19.46

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET**

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 7-12-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | SMBRP-7B |
| Observation Period | Start: 1330 Stop: | Survey Reference Point: | TOC |
| Sampled By: | Matt Pendleton / RJS | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 17 |
| Well Diameter (in) | 2 | Depth of Well (ft) | ~~45~~ 25.13 |
| Initial/Static Depth to Water (ft) | 11.86 | Length of Water Column (ft) | 13.27 |
| Product Thickness (ft) | Ø | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 2.12 | Three Casing Volumes (gal) | 6.36 |
| Purge Time, Start | 1336 | Purge Time, Stop | 1351 |
| Total Purge Time (minutes) | 15 | Purge Rate (gpm) | 0.43 |
| Purge Volume (gal) | 6.45 | Depth to Water (ft) at Sampling | 12.01 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 2.12 | 4.24 | 8.36 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (ppm) | 1351 | 1061 | 2985 | ~~3824~~ 1904 | | | | 1900 |
| Turbidity (measured or visual) cloudy, clear, muddy | Sl. Cloudy | Sl. Cloudy | Sl. Cloudy | Sl. Cloudy | | | | Sl. Cloudy |
| Temperature (C) | 26.3 | 25.5 | 25.3 | 24.6 | | | | 24.7 |
| Conductivity (micromhos) | 2703 | 2124 | 2130 | 3825 | | | | 3850 |
| pH | 6.92 | 6.99 | 7.12 | 7.11 | | | | 7.10 |
| Dissolved Oxygen (mg/L & %) | 11.3 | 9.4 | 24.6 | 23.2 | | | | 23.5 |
| Comments: | | | | | | | | |
| Speed - 43V | | | Depth to Water at End of Purge (ft) | 13.27 | | | | 12.01 |
| | | | Drawdown (ft) | 1.41 | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 80 F Sunny, Wind 5 MPH NE

Comments: Sampled at: 1345

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

11.86 + 0.2 * 1.41 = 12.14

## Rincon Consultants, Inc.

### GROUND WATER SAMPLING/PURGING DATA SHEET

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9/13/17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | CCPE |
| Observation Period | Start: 0915 Stop: 1000 | Survey Reference Point: | TOC |
| Sampled By: | Matt Pendleton / Ryan Stewart | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 12 |
| Well Diameter (in) | 2inch | Depth of Well (ft) | 52.7 |
| Initial/Static Depth to Water (ft) | 6.03 | Length of Water Column (ft) | 46.67 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 7.47 | Three Casing Volumes (gal) | 22.40 |
| Purge Time, Start | 0926 | Purge Time, Stop | 0948 |
| Total Purge Time (minutes) | 22 | Purge Rate (gpm) | avg 1.05 |
| Purge Volume (gal) | 23 | Depth to Water (ft) at Sampling | 6.03 |

**CASING OR BOREHOLE VOLUME**

5 gallons
1111

0.5-inch Diameter = 0.010 gal/ft
0.75-inch Diameter = 0.023 gal/ft
1-inch Diameter = 0.041 gal/ft
1.5-inch Diameter = 0.092 gal/ft
2-inch Diameter = 0.16 gal/ft
4-inch Diameter = 0.65 gal/ft
6-inch Diameter = 1.46 gal/ft
9-inch Diameter = 3.30 gal/ft
12-inch Diameter = 5.87 gal/ft
15-inch Diameter = 9.18 gal/ft

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 7.47 | 14.94 | 22.40 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (~~ppm~~) ppt | 4.04 | 5.35 | 5.45 | 5.57 | → | → | → | |
| Turbidity (measured or visual) cloudy, clear, muddy | cloudy grey-black | sl. cloudy | clear | clear | → | → | → | |
| Temperature (C) | 24.6 | 24.8 | 25.2 | 25.1 | → | → | → | |
| Conductivity (micromhos) | 8.08 mS | 10.69 mS | 10.88 mS | 11.15 mS | → | → | → | |
| pH | 7.10 | 7.01 | 7.02 | 7.04 | → | → | → | |
| Dissolved Oxygen (mg/L & %) | 20.7%. | 14.5%. | 10.8%. | 12.4%. | → | → | → | |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | 6.12 | | | | |
| Drawdown (ft) | | | | 0.09 | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 70F, overcast, wind <5 mph South

Comments: Sampled at: 0950

Well Recovery Calculation
Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.03 + 0.2 * 0.09 = 6.05

X + 0.2 Y = R
6.03

## Rincon Consultants, Inc.
### GROUND WATER SAMPLING/PURGING DATA SHEET

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9-13-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | SMBRP-13 |
| Observation Period | Start: 1015 Stop: 1050 | Survey Reference Point: | TOC |
| Sampled By: | Matt Pendleton / Ryan Stewart | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 13 |
| Well Diameter (in) | 2" | Depth of Well (ft) | 19.43 |
| Initial/Static Depth to Water (ft) | 8.58 | Length of Water Column (ft) | 10.85 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 1.74 | Three Casing Volumes (gal) | 5.2 |
| Purge Time, Start | 1037 | Purge Time, Stop | 1040 |
| Total Purge Time (minutes) | 3 | Purge Rate (gpm) | 2 |
| Purge Volume (gal) | 6 | Depth to Water (ft) at Sampling | 8.58 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 1.7 | 3.4 | 5.2 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (ppm) ~~ppt~~ | 4.39 | 5.06 | 5.29 | 5.28 | | | | |
| Turbidity (measured or visual) cloudy, clear, muddy | sl. cloudy | sl. cloudy | sl. cloudy | clear to sl. cloudy | | | | |
| Temperature (C) | 23.9 | 22.4 | 22.0 | 22.2 | | | | |
| Conductivity (micromhos) | 8.79 mS | 10.23 mS | 10.59 mS | 10.55 mS | | | | |
| pH | 7.01 | 7.00 | 7.00 | 6.99 | | | | |
| Dissolved Oxygen (mg/L & (%)) | 16.9 % | 10.9 % | 6.5 % | 8.5 % | | | | |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | 8.58 | | | | |
| Drawdown (ft) | | | | 0 | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 70F, Overcast, wind 5 MPH South

Comments: Sampled at: 1040

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.58 + 0.2 * 0 = 8.58

## Rincon Consultants, Inc.

### GROUND WATER SAMPLING/PURGING DATA SHEET

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9-13-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | SMBRP-12 |
| Observation Period | Start: 1105 Stop: 1225 | Survey Reference Point: | TOC |
| Sampled By: | MP + RJS | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 10 |
| Well Diameter (in) | 2 | Depth of Well (ft) | 24.88 |
| Initial/Static Depth to Water (ft) | 6.93 | Length of Water Column (ft) | 17.95 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 2.87 | Three Casing Volumes (gal) | 8.62 |
| Purge Time, Start | 1120 | Purge Time, Stop | 1124 |
| Total Purge Time (minutes) | 4 | Purge Rate (gpm) | 2.25 |
| Purge Volume (gal) | 9 | Depth to Water (ft) at Sampling | 6.93 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 2.87 | 5.74 | 8.62 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (~~ppm~~) ppt | 0.87 | 1.53 | 1.62 | 1.63 | → | → | → | |
| Turbidity (measured or visual) cloudy, clear, muddy | cloudy | Sl. cloudy | clear | clear | → | → | → | → |
| Temperature (C) | 25.7 | 25.2 | 25.5 | 25.2 | → | → | → | → |
| Conductivity (micromhos) | 1.74 mS | 3.07 | 3.23 | 3.25 | → | → | → | → |
| pH | 7.22 | 7.21 | 7.23 | 7.27 | → | → | → | → |
| Dissolved Oxygen (mg/L & %) | 23.2 % | 7.8% | 8.6% | 21.7% | → | → | → | → |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | 7.23 | | | | |
| Drawdown (ft) | | | | 0.30 | | | | |

**MISCELLANEOUS DATA**

| | |
|---|---|
| Condition of Traffic Box: | Good |
| Drum Identification labeling: | **Non-Hazardous Waste** |
| Water Level Indicator: | **Solinst Model 101** |
| Weather Conditions: | 75°F Sunny Calm wind. |

Comments: Sampled at: 1140

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.93 + 0.2 * 7.23 = 4.03

1.45

## Rincon Consultants, Inc.
### GROUND WATER SAMPLING/PURGING DATA SHEET

| | |
|---|---|
| Job No: 15-01587 | Date: 9-13-17 |
| Project/Location Malibu, CA Civic Center Area | Well Number: MCWP-MW09 |
| Observation Period Start: 1230 Stop: 1300 | Survey Reference Point: TOC |
| Sampled By: MP & RTS | Witnessed By: |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 55 |
| Well Diameter (in) | 2 | Depth of Well (ft) | 89.60 |
| Initial/Static Depth to Water (ft) | 6.14 | Length of Water Column (ft) | 83.46 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 13.35 | Three Casing Volumes (gal) | 40.06 |
| Purge Time, Start | 1230 | Purge Time, Stop | 1300 |
| Total Purge Time (minutes) | 30 | Purge Rate (gpm) | 1.37 |
| Purge Volume (gal) | 41 | Depth to Water (ft) at Sampling | |

**CASING OR BOREHOLE VOLUME**

5 gal / 111

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 13.35 | 26.7 | 40.06 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (~~ppm~~) ppt | 0.64 ppt | 2.25 | 2.35 | 2.36 | — | — | → | |
| Turbidity (measured or visual) cloudy, clear, muddy | clear | cloudy grey | clear | clear | — | — | — | → |
| Temperature (C) | 27.7 | 24.1 | 24.2 | 25.1 | — | — | — | → |
| Conductivity (micromhos) | 1.28 mS | 4.48 mS | 4.69 mS | 4.75 mS | — | — | — | → |
| pH | 7.78 | 7.49 | 7.42 | 7.44 | — | — | — | → |
| Dissolved Oxygen (mg/L & (%)) | 52.6% | 8.2% | 4.4% | 10.2 | — | — | — | → |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | 6.14 | | | | |
| Drawdown (ft) | | | | 0 | | | | |

**MISCELLANEOUS DATA**

| | |
|---|---|
| Condition of Traffic Box: | Good |
| Drum Identification labeling: | **Non-Hazardous Waste** |
| Water Level Indicator: | **Solinst Model 101** |
| Weather Conditions: | 80 F Sunny, Calm wind. |

Comments: instantaneous recovery.

Sampled at: 1320

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.14 + 0.2 * 0 = 6.14

## Rincon Consultants, Inc.

### GROUND WATER SAMPLING/PURGING DATA SHEET

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9-14-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | MCWP- MW06 |
| Observation Period | Start: 9:40 Stop: 1100 | Survey Reference Point: | TOC |
| Sampled By: | MP / RJS | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 50 |
| Well Diameter (in) | 2 inch | Depth of Well (ft) | 138.15 |
| Initial/Static Depth to Water (ft) | 10.22' | Length of Water Column (ft) | ~~0.16~~ 127.93 |
| Product Thickness (ft) | ——— | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 20.5 | Three Casing Volumes (gal) | 61.4 |
| Purge Time, Start | 09:50 | Purge Time, Stop | 10:35 |
| Total Purge Time (minutes) | 45 | Purge Rate (gpm) | 1.38 |
| Purge Volume (gal) | 62 | Depth to Water (ft) at Sampling | 10.22 |

**CASING OR BOREHOLE VOLUME**

5 gal IHT

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 20.5 | 41 | 61.4 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (ppm) | 979 ppm | 1084 ppm | 1086 ppm | 1089 ppm | | | | |
| Turbidity (measured or visual) cloudy, clear, muddy | Brn-cloudy | clear | clear | clear | | | | |
| Temperature (C) | 21.0 | 21.3 | 20.9 | 21.2 | | | | |
| Conductivity (micromhos) | 1960 mS | 2168 mS | 2167 mS | 2180 mS | | | | |
| pH | 6.94 | 7.46 | 7.48 | 7.30 | | | | |
| Dissolved Oxygen (mg/L & %) | 18.1 % | 9.1 % | 12.1 % | 8.4 % | | | | |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | 10.22 | | | | |
| Drawdown (ft) | | | | 0 | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: ~~70F Overcast, Wind~~ 2-3 MPH North, Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 70F overcast, wind 2-3 MPH North

Comments: Sampled at: 1040

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.22 + 0.2 * 0 = 10.22

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET**

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 09-14-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | ~~MCWP-MW10~~ MCWP-MW10 |
| Observation Period | Start: 1100 Stop: 1145 | Survey Reference Point: | TOC |
| Sampled By: | MP/RTS | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 10 Ft |
| Well Diameter (in) | 2 inch | Depth of Well (ft) | 22.23 |
| Initial/Static Depth to Water (ft) | 5.96 | Length of Water Column (ft) | 16.27 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 2.60 | Three Casing Volumes (gal) | ~~2.60~~ 7.81 |
| Purge Time, Start | 1116 | Purge Time, Stop | 1120 |
| Total Purge Time (minutes) | 4 | Purge Rate (gpm) | 2 |
| Purge Volume (gal) | 8 | Depth to Water (ft) at Sampling | 5.93 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 2.6 | 5.2 | 7.8 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (~~ppm~~) ppt | 0.58 ppt | 4.93 ppt | 5.09 ppt | 5.10 ppt | — | — | — | → |
| Turbidity (measured or visual) cloudy, clear, muddy | Clear | Clear | Clear | Clear | — | — | — | → |
| Temperature (C) | 23.9 | 24.1 | 24.2 | 24.2 | — | — | — | → |
| Conductivity (micromhos) mS | 1.16 mS | 9.81 mS | 10.19 mS | 10.19 mS | — | — | — | → |
| pH | 7.32 | 6.80 | 6.87 | 6.84 | — | — | — | → |
| Dissolved Oxygen (mg/L & %) | 55.2% | 16.3% | 15.0% | 11.8% | — | — | — | → |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | 5.93 | | | | |
| Drawdown (ft) | | | | — | | | | |

**MISCELLANEOUS DATA**

| | |
|---|---|
| Condition of Traffic Box: | Good |
| Drum Identification labeling: | **Non-Hazardous Waste** |
| Water Level Indicator: | **Solinst Model 101** |
| Weather Conditions: | 70F Sunny |

Comments: Sampled at: 1120

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.96 + 0.2 * 0 = 5.96

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET**

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 09-14-17 (Thursday) |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | MCWP-MW07D |
| Observation Period | Start: 0730 Stop: 0913 | Survey Reference Point: | TOC |
| Sampled By: | MP/RTS | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 50 |
| Well Diameter (in) | 2 inch | Depth of Well (ft) | 129.6 |
| Initial/Static Depth to Water (ft) | 7.99 | Length of Water Column (ft) | 121.61 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.16 |
| One Casing Volume (gal) | 19.46 | Three Casing Volumes (gal) | 58.37 |
| Purge Time, Start | 7:45 | Purge Time, Stop | 8:30 |
| Total Purge Time (minutes) | 45 | Purge Rate (gpm) | 1.31 |
| Purge Volume (gal) | 59 | Depth to Water (ft) at Sampling | 8.00 |

**CASING OR BOREHOLE VOLUME**

gallons

HH HH

0.5-inch Diameter = 0.010 gal/ft
0.75-inch Diameter = 0.023 gal/ft
1-inch Diameter = 0.041 gal/ft
1.5-inch Diameter = 0.092 gal/ft
2-inch Diameter = 0.16 gal/ft
4-inch Diameter = 0.65 gal/ft
6-inch Diameter = 1.46 gal/ft
9-inch Diameter = 3.30 gal/ft
12-inch Diameter = 5.87 gal/ft
15-inch Diameter = 9.18 gal/ft

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 19.46 | 38.92 | 58.37 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (ppm) | 533 ppm | 1283 ppm | 1293 ppm | 1308 ppm | → | → | → | → |
| Turbidity (measured or visual) cloudy, clear, muddy | Sl. cloudy | Clear | Clear | Clear | → | → | → | → |
| Temperature (C) | 20.1 | 21.1 | 21.0 | 21.4 | → | → | → | → |
| Conductivity (micromhos) | 1066 uS | 2563 uS | 2592 uS | 2622 uS | → | → | → | → |
| pH | 7.71 | 7.31 | 7.42 | 7.25 | → | → | → | → |
| Dissolved Oxygen (mg/L & %) | 24.0% | 9.7% | 13.5% | 10.5% | → | → | → | → |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | 8.06 | | | | |
| Drawdown (ft) | | | | 0.07 | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 75 F, Clear SKY, Sunny, no wind

Comments: Sampled at: 8:55

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.99 + 0.2 * ~~8.06~~ 0.07 = 8.00

## Rincon Consultants, Inc.
### GROUND WATER SAMPLING/PURGING DATA SHEET

| | |
|---|---|
| Job No: 15-01587 | Date: 1-15-17 |
| Project/Location Malibu, CA Civic Center Area | Well Number: TY-MW-1 |
| Observation Period Start: Stop: | Survey Reference Point: TOC |
| Sampled By: MP | Witnessed By: |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | — | Pump Inlet Depth (ft) | — |
| Well Diameter (in) | 2 inch | Depth of Well (ft) | 65.27 |
| Initial/Static Depth to Water (ft) | Dry — | Length of Water Column (ft) | DRY |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | — |
| One Casing Volume (gal) | — | Three Casing Volumes (gal) | — |
| Purge Time, Start | — | Purge Time, Stop | — |
| Total Purge Time (minutes) | — | Purge Rate (gpm) | — |
| Purge Volume (gal) | — | Depth to Water (ft) at Sampling | — |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | | | | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (ppm) | | | | | | | | |
| Turbidity (measured or visual) cloudy, clear, muddy | | | | | | | | |
| Temperature (C) | | | | | | | | |
| Conductivity (micromhos) | | | | | | | | |
| pH | | | | | | | | |
| Dissolved Oxygen (mg/L & %) | | | | | | | | |
| Comments: | | | | | | | | |
| Depth to Water at End of Purge (ft) | | | | | | | | |
| Drawdown (ft) | | | | | | | | |

Well Box Damaged
well depth 9-21-17
was 80.45'.
Well currently filled w/debris.
Not Sampled or Purged

**MISCELLANEOUS DATA**

Condition of Traffic Box: Non existent

Drum Identification labeling: ~~Non-Hazardous Waste~~

Water Level Indicator: ~~Solinst Model 101~~

Weather Conditions: 80F sunny

Comments: Sampled at: —

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

— + 0.2 * — = —

## Rincon Consultants, Inc.
### GROUND WATER SAMPLING/PURGING DATA SHEET

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9-15-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | MCWP-MW05 |
| Observation Period | Start: 1335 Stop: 1630 | Survey Reference Point: | TOC |
| Sampled By: | MP/RJS | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 45 |
| Well Diameter (in) | 4 in | Depth of Well (ft) | 154.4 |
| Initial/Static Depth to Water (ft) | 8.01 | Length of Water Column (ft) | 146.39 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.65 |
| One Casing Volume (gal) | 95.15 | Three Casing Volumes (gal) | 285.46 |
| Purge Time, Start | 1345 | Purge Time, Stop | 1610 pm |
| Total Purge Time (minutes) | 85 | Purge Rate (gpm) | 3.4 |
| Purge Volume (gal) | 290 | Depth to Water (ft) at Sampling | 8.01 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 95.15 | 190.3 | 285.46 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (~~ppm~~) ppt | 1.07 | 1.04 | 1.04 | 1.04 | → | → | → | → |
| Turbidity (measured or visual) cloudy, clear, muddy | Clear | Clear | Clear | clear | → | → | → | → |
| Temperature (C) | 26.9 | 21.3 | 20.2 | 20.7 | → | → | → | → |
| Conductivity (micromhos) mS | 2.12 | 2.07 | 2.08 | 2.08 | → | → | → | → |
| pH | 6.87 | 7.30 | 7.33 | 7.14 | → | → | → | → |
| Dissolved Oxygen (mg/L & %) | 19.3% | 17.5 % | 29.1% | 13.2 % | → | → | → | → |
| ~~Comments:~~ Time | 1345 pm | 1445 pm | 1330 pm | 1610 pm | | | | |
| Depth to Water at End of Purge (ft) | | | | 8.01 | | | | |
| Drawdown (ft) | | | | 0 | | | | |

**MISCELLANEOUS DATA**

| | |
|---|---|
| Condition of Traffic Box: | Good |
| Drum Identification labeling: | **Non-Hazardous Waste** |
| Water Level Indicator: | **Solinst Model 101** |
| Weather Conditions: | 83° F Sunny, Wind 5-10 mph Southwest |

Comments: Sampled at: 1615

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.01 + 0.2 * 0 = 8.01

7.82 Draw

**Rincon Consultants, Inc.**

**GROUND WATER SAMPLING/PURGING DATA SHEET**

| | | | |
|---|---|---|---|
| Job No: | 15-01587 | Date: | 9-15-17 |
| Project/Location | Malibu, CA Civic Center Area | Well Number: | MCWP-MW04D |
| Observation Period | Start: 0835 Stop: 1215 | Survey Reference Point: | TOC |
| Sampled By: | MCWP-MW04D MP/RJS | Witnessed By: | |

**PURGING DATA**

| | | | |
|---|---|---|---|
| Type of Pump | Grundfos | Pump Inlet Depth (ft) | 15 |
| Well Diameter (in) | 4 inch | Depth of Well (ft) | 149.2 |
| Initial/Static Depth to Water (ft) | 9.54 | Length of Water Column (ft) | 139.66 |
| Product Thickness (ft) | — | Volume Multiplier (gal/ft) | 0.65 |
| One Casing Volume (gal) | 90.78 | Three Casing Volumes (gal) | 272.34 |
| Purge Time, Start | ©0845 | Purge Time, Stop | 1135 |
| Total Purge Time (minutes) | 170 | Purge Rate (gpm) | 1.61 |
| Purge Volume (gal) | 273 | Depth to Water (ft) at Sampling | 9.54 |

**CASING OR BOREHOLE VOLUME**

| | |
|---|---|
| 0.5-inch Diameter = 0.010 gal/ft | 4-inch Diameter = 0.65 gal/ft |
| 0.75-inch Diameter = 0.023 gal/ft | 6-inch Diameter = 1.46 gal/ft |
| 1-inch Diameter = 0.041 gal/ft | 9-inch Diameter = 3.30 gal/ft |
| 1.5-inch Diameter = 0.092 gal/ft | 12-inch Diameter = 5.87 gal/ft |
| 2-inch Diameter = 0.16 gal/ft | 15-inch Diameter = 9.18 gal/ft |

**INDICATOR DATA**

| Volume Pumped (gal) | Before Purge | 90.78 | 181.56 | 272.34 | | | | At Sampling |
|---|---|---|---|---|---|---|---|---|
| TDS (~~ppm~~) ppt | 1.06 | 1.19 | 1.17 | 1.18 | → | → | → | → |
| Turbidity (measured or visual) cloudy, clear, muddy | Clear | Clear | Clear | Clear | → | → | → | → |
| Temperature (C) | 23.7 | 22.3 | 22.7 | 22.8 | → | → | → | → |
| Conductivity (micromhos) | 2.12 mS | 2.37 mS | 2.36 mS | 2.34 mS | → | → | → | → |
| pH | 7.14 | 7.17 | 7.19 | 7.28 | → | → | → | → |
| Dissolved Oxygen (mg/L & %) | 23.3% | 18.9% | 19.2% | 24.5% | → | → | → | → |
| Comments: | 0845 AM | 0955 AM | 1046 AM | 1135 AM | → | → | → | → |
| Depth to Water at End of Purge (ft) | | | | 9.54 | | | | |
| Drawdown (ft) | | | | 0 | | | | |

**MISCELLANEOUS DATA**

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 76F Sunny No wind

Comments: Sampled at: 1140

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.54 + 0.2 * 0 = 9.54

pump rate 150 V.


Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW01
LAMW-5S
MBCMW-6
M7-2
M7-1
SMBRP-7B
MCWP-MW04
CCW-4
M6-1
SMBRP-16
MBCMW-9
SMBRP-2
CCPNE
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
MBCMW-7
CCPE
CCPSW
MCWP-MW01
P-4
P-5
MCWP-MW04S
MCWP-MW04D
MCWP-MW02
MCWP-MW06
Lagoon before
SMBRP-15b
MCWP-MW10
MCWP-MW07S
MCWP-MW03
SMBRP-11
MCWP-MW07D
SMBRP-12
MCWP-MW05
SMBRP-13
MCWP-MW08
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
2012.190
MCWP
1

# Appendix B

*Analytical Laboratory Reports*

September 8, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

SP 1710513:1-10 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

System Number :
Project Name : Malibu WWTP - Surface Water Monitoring

## Sample Handling Information

| ID | Sample Number | Sample Description | Sample Type/Reason | Sampled By | Employed By | Sampled | Started | Finished |
|---|---|---|---|---|---|---|---|---|
| 1 | SP 1710513-001 | N-001 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 13:20 | 08/29/2017 15:33 lmm | 09/02/2017 lmm |
| 2 | SP 1710513-002 | N-002 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 13:40 | 08/29/2017 15:35 lmm | 09/02/2017 lmm |
| 3 | SP 1710513-003 | N-003 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 10:55 | 08/29/2017 15:37 lmm | 09/02/2017 lmm |
| 4 | SP 1710513-004 | N-004 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 12:55 | 08/29/2017 15:39 lmm | 08/31/2017 lmm |
| 5 | SP 1710513-005 | L-001 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 10:20 | 08/29/2017 15:41 lmm | 09/01/2017 lmm |
| 6 | SP 1710513-006 | L-002 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 12:20 | 08/29/2017 15:43 lmm | 09/01/2017 lmm |
| 7 | SP 1710513-007 | L-003 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 10:45 | 08/29/2017 15:45 lmm | 09/01/2017 lmm |
| 8 | SP 1710513-008 | L-004 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 11:55 | 08/29/2017 15:47 lmm | 09/01/2017 lmm |
| 9 | SP 1710513-009 | L-005 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 11:05 | 08/29/2017 15:39 rv | 09/01/2017 rv |
| 10 | SP 1710513-010 | L-006 | Source-Other | Peter Shellenberger | Rincon Consultants, | 08/29/2017 12:05 | 08/29/2017 15:36 lmm | 09/01/2017 lmm |

## Analytical Results

| ID | Sample Description | Chlorine Total/Free | Temp °C | Method | Units | Total | Fecal | E. Coli | Person Notified ‡ | Date ‡ Notified | Time ‡ Notified | Foot Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | N-001 | --- | --- | SM 9221B | MPN/100ml | 23 | <1.8 | --- | N/R | | | |
| 2 | N-002 | --- | --- | SM 9221B | MPN/100ml | 7.8 | <1.8 | --- | N/R | | | |
| 3 | N-003 | --- | --- | SM 9221B | MPN/100ml | 7.8 | 2 | --- | N/R | | | |
| 4 | N-004 | --- | --- | SM 9221B | MPN/100ml | 79 | 79 | --- | N/R | | | |
| 5 | L-001 | --- | --- | SM 9221B | MPN/100ml | >1600 | 130 | --- | N/R | | | |
| 6 | L-002 | --- | --- | SM 9221B | MPN/100ml | >1600 | 7.8 | --- | N/R | | | |
| 7 | L-003 | --- | --- | SM 9221B | MPN/100ml | >1600 | 33 | --- | N/R | | | |
| 8 | L-004 | --- | --- | SM 9221B | MPN/100ml | >1600 | 49 | --- | N/R | | | |
| 9 | L-005 | --- | --- | SM 9221B | MPN/100ml | 920 | 70 | --- | N/R | | | |
| 10 | L-006 | --- | --- | SM 9221B | MPN/100ml | 1600 | 26 | --- | N/R | | | |

N/R Not Required. MPN Most Probable Number A/P Absence/Presence ‡ Client Notification details.

Analyses were performed using Standard Methods 22nd edition. If you have any questions regarding your results, please call.

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-09-08

RPH:SMH



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1710513
Customer : 2-25173

## Laboratory Report

**Introduction:** This report package contains total of 14 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (2 pages) | : An overview of the work performed at FGL. |
| Sample Results | (10 pages) | : Results for each sample submitted. |
| Quality Control | (2 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab ID # | Matrix |
|---|---|---|---|---|
| N-001 | 08/29/2017 | 08/29/2017 | SP 1710513-001 | SW |
| N-002 | 08/29/2017 | 08/29/2017 | SP 1710513-002 | SW |
| N-003 | 08/29/2017 | 08/29/2017 | SP 1710513-003 | SW |
| N-004 | 08/29/2017 | 08/29/2017 | SP 1710513-004 | SW |
| L-001 | 08/29/2017 | 08/29/2017 | SP 1710513-005 | SW |
| L-002 | 08/29/2017 | 08/29/2017 | SP 1710513-006 | SW |
| L-003 | 08/29/2017 | 08/29/2017 | SP 1710513-007 | SW |
| L-004 | 08/29/2017 | 08/29/2017 | SP 1710513-008 | SW |
| L-005 | 08/29/2017 | 08/29/2017 | SP 1710513-009 | SW |
| L-006 | 08/29/2017 | 08/29/2017 | SP 1710513-010 | SW |

**Sampling and Receipt Information:** All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived at 2 °C. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to the following tables:

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 351.2 | 09/09/2017:210835 All preparation quality controls are within established criteria. |
| | 09/11/2017:210852 All preparation quality controls are within established criteria. |
| | 09/12/2017:210915 All preparation quality controls are within established criteria. |
| 4500NH3G | 08/30/2017:213056 All analysis quality controls are within established criteria. |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017 Lab ID : SP 1710513
**Rincon Consultants, Inc.** Customer : 2-25173

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 4500NH3G | 08/30/2017:210409 All preparation quality controls are within established criteria, except:<br>The following note applies to Ammonia Nitrogen:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Ammonia Nitrogen:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 4500NO2F | 08/30/2017:210464 All preparation quality controls are within established criteria. |
| 4500NO3F | 08/30/2017:213081 All analysis quality controls are within established criteria. |
| | 08/30/2017:213116 All analysis quality controls are within established criteria. |
| | 08/30/2017:210462 All preparation quality controls are within established criteria. |
| 4500-P B | 09/11/2017:210911 All preparation quality controls are within established criteria. |
| 4500PE | 09/11/2017:213639 All analysis quality controls are within established criteria. |
| EPA351.2 | 09/12/2017:213651 All analysis quality controls are within established criteria. |
| | 09/13/2017:213743 All analysis quality controls are within established criteria. |

**Certification::** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2017-09-15

September 15, 2017

Lab ID : SP 1710513-001
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : August 29, 2017-13:20
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

Description : N-001
Project : Malibu WWTP - Surface Water Monitoring

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0600 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:20JDD |
| Nitrite Nitrogen | 0.0110 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:17JDD |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | Uhb | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:41AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:41AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.19 | mg/L | 1 | Ub | 351.2 | 210915 | 09/12/17 08:16 | EPA351.2 | 213743-FI206 | 09/13/17-09:36AMB |
| Phosphorus, Total | 2.10 | 0.2 | 0.020 | mg/L | 2 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:47SJN |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| h | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
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CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

Lab ID : SP 1710513-002
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : August 29, 2017-13:40
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

Description : N-002
Project : Malibu WWTP - Surface Water Monitoring

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0500 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:22JDD |
| Nitrite Nitrogen | 0.0120 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:19JDD |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | Ub | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-10:11AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-10:11AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.19 | mg/L | 1 | Ub | 351.2 | 210852 | 09/11/17 06:38 | EPA351.2 | 213651-FI206 | 09/12/17-04:30AMB |
| Phosphorus, Total | 2.14 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:48SJN |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : N-003
Project : Malibu WWTP - Surface Water Monitoring

Lab ID : SP 1710513-003
Customer ID : 2-25173

Sampled On : August 29, 2017-10:55
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0600 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:24JDD |
| Nitrite Nitrogen | 0.0110 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:21JDD |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | U | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-10:07AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-10:07AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | U | 351.2 | 210835 | 09/09/17 07:10 | EPA351.2 | 213651-FI206 | 09/12/17-03:39AMB |
| Phosphorus, Total | 1.15 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:49SJN |

**DQF Flags Definition:**

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.



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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1710513-004
Customer ID : 2-25173

Sampled On : August 29, 2017-12:55
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

Description : N-004
Project : Malibu WWTP - Surface Water Monitoring

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0800 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:37JDD |
| Nitrite Nitrogen | 0.0110 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:35JDD |
| Nitrogen, Organic | 0.408 | 0.5 | 0.072 | mg/L | 1 | UJb | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-10:09AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-10:09AMB |
| Kjeldahl Nitrogen | 0.408 | 0.5 | 0.19 | mg/L | 1 | Jb | 351.2 | 210852 | 09/11/17 06:38 | EPA351.2 | 213651-FI206 | 09/12/17-04:31AMB |
| Phosphorus, Total | 0.0614 | 0.1 | 0.020 | mg/L | 1 | J | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:52SJN |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

Lab ID : SP 1710513-005
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : August 29, 2017-10:20
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

Description : L-001
Project : Malibu WWTP - Surface Water Monitoring

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.200 | 0.1 | 0.032 | mg/L | 1 | | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:39JDD |
| Nitrite Nitrogen | 0.0230 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:36JDD |
| Nitrogen, Organic | 0.834 | 0.5 | 0.072 | mg/L | 1 | hJ | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:57AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:57AMB |
| Kjeldahl Nitrogen | 0.834 | 0.5 | 0.32 | mg/L | 1 | J | 351.2 | 210835 | 09/09/17 07:10 | EPA351.2 | 213651-FI206 | 09/12/17-03:40AMB |
| Phosphorus, Total | 0.156 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:53SJN |

**DQF Flags Definition:**

| | |
|---|---|
| h | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

Lab ID : SP 1710513-006
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : August 29, 2017-12:20
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

Description : L-002
Project : Malibu WWTP - Surface Water Monitoring

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0600 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:41JDD |
| Nitrite Nitrogen | 0.0110 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:38JDD |
| Nitrogen, Organic | 1.21 | 0.5 | 0.072 | mg/L | 1 | hb | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:39AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:39AMB |
| Kjeldahl Nitrogen | 1.21 | 0.5 | 0.19 | mg/L | 1 | b | 351.2 | 210852 | 09/11/17 06:38 | EPA351.2 | 213651-FI206 | 09/12/17-04:32AMB |
| Phosphorus, Total | 0.161 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:54SJN |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| h | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
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San Luis Obispo, CA 93401
TEL: (805)783-2940
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9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : L-003
Project : Malibu WWTP - Surface Water Monitoring

Lab ID : SP 1710513-007
Customer ID : 2-25173

Sampled On : August 29, 2017-10:45
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0500 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:43JDD |
| Nitrite Nitrogen | 0.0130 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:40JDD |
| Nitrogen, Organic | 0.898 | 0.5 | 0.072 | mg/L | 1 | J | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-10:04AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-10:04AMB |
| Kjeldahl Nitrogen | 0.898 | 0.5 | 0.32 | mg/L | 1 | J | 351.2 | 210835 | 09/09/17 07:10 | EPA351.2 | 213651-FI206 | 09/12/17-03:41AMB |
| Phosphorus, Total | 0.186 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:55SJN |

**DQF Flags Definition:**

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.



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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
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3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
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**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : L-004
Project : Malibu WWTP - Surface Water Monitoring

Lab ID : SP 1710513-008
Customer ID : 2-25173

Sampled On : August 29, 2017-11:55
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0600 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:45JDD |
| Nitrite Nitrogen | 0.0140 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:42JDD |
| Nitrogen, Organic | 0.653 | 0.5 | 0.072 | mg/L | 1 | hJ | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:36AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:36AMB |
| Kjeldahl Nitrogen | 0.653 | 0.5 | 0.32 | mg/L | 1 | J | 351.2 | 210835 | 09/09/17 07:10 | EPA351.2 | 213651-FI206 | 09/12/17-03:42AMB |
| Phosphorus, Total | 0.151 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:56SJN |

**DQF Flags Definition:**

| | |
|---|---|
| h | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

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563 E. Lindo Avenue
Chico, CA 95926
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San Luis Obispo, CA 93401
TEL: (805)783-2940
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**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : L-005
Project : Malibu WWTP - Surface Water Monitoring

Lab ID : SP 1710513-009
Customer ID : 2-25173

Sampled On : August 29, 2017-11:05
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0500 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:47JDD |
| Nitrite Nitrogen | 0.0130 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:45JDD |
| Nitrogen, Organic | 1.22 | 0.5 | 0.072 | mg/L | 1 | h | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:43AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-09:43AMB |
| Kjeldahl Nitrogen | 1.22 | 0.5 | 0.32 | mg/L | 1 | | 351.2 | 210835 | 09/09/17 07:10 | EPA351.2 | 213651-FI206 | 09/12/17-03:44AMB |
| Phosphorus, Total | 0.135 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:57SJN |

**DQF Flags Definition:**

| | |
|---|---|
| h | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
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563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
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**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

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9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017

Lab ID : SP 1710513-010
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : August 29, 2017-12:05
Sampled By : Peter Shellenberger
Received On : August 29, 2017-15:20
Matrix : Surface Water

Description : L-006
Project : Malibu WWTP - Surface Water Monitoring

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0500 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210462 | 08/30/17 13:15 | 4500NO3F | 213116-FI207 | 08/30/17-15:50JDD |
| Nitrite Nitrogen | 0.0170 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 210464 | 08/30/17 13:15 | 4500NO3F | 213081-FI207 | 08/30/17-15:47JDD |
| Nitrogen, Organic | 1.76 | 0.5 | 0.072 | mg/L | 1 | hb | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-08:54AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 210409 | 08/30/17 04:30 | 4500NH3G | 213056-FI207 | 08/30/17-08:54AMB |
| Kjeldahl Nitrogen | 1.76 | 0.5 | 0.19 | mg/L | 1 | b | 351.2 | 210915 | 09/12/17 08:16 | EPA351.2 | 213743-FI206 | 09/13/17-09:37AMB |
| Phosphorus, Total | 0.110 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 210911 | 09/11/17 16:09 | 4500PE | 213639-UV205 | 09/11/17-17:58SJN |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| h | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



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Stockton, CA 95215
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Visalia, CA 93291
TEL: (559)734-9473
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September 15, 2017 Lab ID : SP 1710513
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Nitrogen, Total Kjeldahl | 351.2 | 09/09/17:210835jmg | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 86.6 % | 73-124 | |
| | | | MS | mg/L | 12.00 | 62.7 % | 54-136 | |
| | | (SP 1710479-001) | MSD | mg/L | 12.00 | 61.4 % | 54-136 | |
| | | | MSRPD | mg/L | 12.00 | 1.6% | ≤27 | |
| | 351.2 | 09/11/17:210852jmg | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 12.00 | 94.3 % | 80-120 | |
| | | | MS | mg/L | 12.00 | 83.3 % | 54-136 | |
| | | (CH 1777474-001) | MSD | mg/L | 12.00 | 80.6 % | 54-136 | |
| | | | MSRPD | mg/L | 12.00 | 3.2% | ≤25 | |
| | 351.2 | 09/12/17:210915jmg | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 12.00 | 100 % | 80-120 | |
| | | | MS | mg/L | 12.00 | 93.2 % | 54-136 | |
| | | (CH 1777476-002) | MSD | mg/L | 12.00 | 90.0 % | 54-136 | |
| | | | MSRPD | mg/L | 12.00 | 3.3% | ≤25 | |
| Ammonia Nitrogen | 4500NH3G | | MS | mg/L | 2.000 | 169 % | 70-130 | 435 |
| | | (SP 1710513-010) | MSD | mg/L | 2.000 | 125 % | 70-130 | |
| | | | MSRPD | mg/L | 2.000 | 30.5% | ≤20 | 435 |
| | | | MS | mg/L | 2.000 | 125 % | 70-130 | |
| | | (SP 1710513-007) | MSD | mg/L | 2.000 | 124 % | 70-130 | |
| | | | MSRPD | mg/L | 2.000 | 0.8% | ≤20 | |
| | 4500NH3G | 08/30/17:213056AMB | ICB | mg/L | | -0.098 | 0.2 | |
| | | | ICV | mg/L | 2.000 | 107 % | 90-110 | |
| | | | CCB | mg/L | | -0.073 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 109 % | 90-110 | |
| | | | CCB | mg/L | | -0.127 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.077 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 109 % | 90-110 | |
| Nitrite as Nitrogen | 4500NO2F | | MS | mg/L | 1.218 | 88.6 % | 50-150 | |
| | | (CC 1783336-001) | MSD | mg/L | 1.218 | 91.1 % | 50-150 | |
| | | | MSRPD | mg/L | 1.218 | 2.8% | ≤30 | |
| Nitrate + Nitrite as N | 4500NO3F | | MS | mg/L | 28.04 | 38.1 % | 5-285 | |
| | | (CC 1783336-001) | MSD | mg/L | 28.04 | 37.9 % | 5-285 | |
| | | | MSRPD | mg/L | 28.04 | 0.4% | ≤30.4 | |
| | 4500NO3F | 08/30/17:213116JDD | CCB | mg/L | | 0.063 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 94.3 % | 90-110 | |
| | | | CCB | mg/L | | 0.052 | 0.1 | |
| | | | CCB | mg/L | | 0.052 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 96.9 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 97.4 % | 90-110 | |
| Nitrite as Nitrogen | 4500NO3F | 08/30/17:213081JDD | CCB | mg/L | | 0.00600 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 95.8 % | 90-110 | |
| | | | CCB | mg/L | | 0.0100 | 0.012 | |
| | | | CCB | mg/L | | 0.0100 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 99.4 % | 90-110 | |
| | | | CCB | mg/L | | 0.0100 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 99.3 % | 90-110 | |
| Phosphorus | 4500-P B | 09/11/17:210911sjn | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 99.4 % | 90-116 | |
| | | | MS | mg/L | 0.2800 | 36.4 % | 25-292 | |
| | | (SP 1710513-001) | MSD | mg/L | 0.2800 | 27.3 % | 25-292 | |
| | | | MSRPD | mg/L | 0.2800 | 1.2% | ≤13.2 | |
| Total Phosphorus | 4500PE | 09/11/17:213639SJN | CCB | mg/L | | -0.007 | 0.1 | |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
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Chico, CA 95926
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**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 15, 2017 Lab ID : SP 1710513
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Total Phosphorus | 4500PE | 09/11/17:213639SJN | CCV | mg/L | 0.5000 | 101 % | 90-110 | |
| | | | CCB | mg/L | | -0.012 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 101 % | 90-110 | |
| | | | CCB | mg/L | | -0.012 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 99.4 % | 90-110 | |
| Nitrogen, Total Kjeldahl | EPA351.2 | 09/12/17:213651AMB | ICB | mg/L | | 0.343 | 0.5 | |
| | | | ICV | mg/L | 5.000 | 96.8 % | 90-110 | |
| | | | CCB | mg/L | | 0.236 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 96.3 % | 90-110 | |
| | | | CCB | mg/L | | 0.451 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 103 % | 90-110 | |
| | | | CCB | mg/L | | 0.419 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 109 % | 90-110 | |
| | EPA351.2 | 09/13/17:213743AMB | CCB | mg/L | | 0.397 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 109 % | 90-110 | |
| | | | CCB | mg/L | | 0.492 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 102 % | 90-110 | |

**Definition**

| | |
|---|---|
| ICV | : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| ICB | : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

**Explanation**

| | |
|---|---|
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

September 21, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

SP 1711091:1, 3, 14 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

System Number :
Project Name : Malibu WWTP - Baseline GWM

## Sample Handling Information

| ID | Sample Number | Sample Description | Sample Type/Reason | Sampled By | Employed By | Sampled | Started | Finished |
|---|---|---|---|---|---|---|---|---|
| 1 | SP 1711091-001 | SMBRP-9 | Source-Other | Matt P./Ryan S | Not Available | 09/12/2017 11:50 | 09/12/2017 16:49 lm | 09/15/2017 lm |
| 2 | SP 1711091-003 | MCWP-MW07S | Source-Other | Matt P./Ryan S | Not Available | 09/12/2017 10:12 | 09/12/2017 16:51 lm | 09/15/2017 lm |
| 3 | SP 1711091-014 | SMBRP-7B | Source-Other | Matt P./Ryan S | Not Available | 09/12/2017 13:45 | 09/12/2017 16:53 lm | 09/16/2017 lm |

## Analytical Results

| ID | Sample Description | Chlorine Total/Free | Temp °C | Method | Units | Total | Fecal | E. Coli | Person Notified ‡ | Date ‡ Notified | Time ‡ Notified | Foot Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SMBRP-9 | --- | --- | SM 9221B | MPN/100ml | 7.8 PRESENT | <1.8 ABSENT | --- | N/R | | | |
| 2 | MCWP-MW07S | --- | --- | SM 9221B | MPN/100ml | <1.8 ABSENT | <1.8 ABSENT | --- | N/R | | | |
| 3 | SMBRP-7B | --- | --- | SM 9221B | MPN/100ml | <1.8 ABSENT | <1.8 ABSENT | --- | N/R | | | |

N/R Not Required. MPN Most Probable Number A/P Absence/Presence ‡ Client Notification details.

Analyses were performed using Standard Methods 21st edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-09-21



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
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October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1711091
Customer : 2-25173

## Laboratory Report

**Introduction:** This report package contains total of 108 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (8 pages) | : An overview of the work performed at FGL. |
| Sample Results | (49 pages) | : Results for each sample submitted. |
| Quality Control | (51 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab ID # | Matrix |
|---|---|---|---|---|
| Travel Blank | 09/12/2017 | 09/12/2017 | SP 1711091-000 | LBW |
| SMBRP-9 | 09/12/2017 | 09/12/2017 | SP 1711091-001 | MW |
| MCWP-MW07S | 09/12/2017 | 09/12/2017 | SP 1711091-003 | MW |
| LAMW-5S | 09/12/2017 | 09/12/2017 | SP 1711091-009 | MW |
| SMBRP-7B | 09/12/2017 | 09/12/2017 | SP 1711091-014 | MW |

**Sampling and Receipt Information:** All samples were received, prepared and analyzed within the method specified holding except those as listed in the table below.

| Lab ID | Analyte/Method | Required Holding Time | Actual Holding Time |
|---|---|---|---|
| SP 1711091-001 | Chlorine, Total | 15 | 38890.2 Minutes |
| SP 1711091-003 | Chlorine, Total | 15 | 38988 Minutes |
| SP 1711091-009 | Chlorine, Total | 15 | 39060 Minutes |

All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to the following tables:

### Inorganic - Metals QC

| | |
|---|---|
| 200.7 | 09/13/2017:213855 All analysis quality controls are within established criteria. |
| | 09/15/2017:213895 All analysis quality controls are within established criteria. |



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October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Inorganic - Metals QC

| | |
|---|---|
| 200.7 | 10/11/2017:215360 All analysis quality controls are within established criteria. |
| | 10/10/2017:211206 All preparation quality controls are within established criteria, except:<br>The following note applies to Iron, Magnesium:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| | 09/13/2017:210942 All preparation quality controls are within established criteria. |
| | 09/15/2017:211086 All preparation quality controls are within established criteria. |
| 200.8 | 09/19/2017:214164 All analysis quality controls are within established criteria, except:<br>The following note applies to Arsenic, Beryllium:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/20/2017:214239 All analysis quality controls are within established criteria. |
| | 10/01/2017:214759 All analysis quality controls are within established criteria. |
| | 10/03/2017:214923 All analysis quality controls are within established criteria. |
| | 10/04/2017:214973 All analysis quality controls are within established criteria. |
| 245.1 | 09/29/2017:214696 All analysis quality controls are within established criteria. |
| | 09/29/2017:211748 All preparation quality controls are within established criteria. |
| 3010 | 09/18/2017:211156 All preparation quality controls are within established criteria, except:<br>The following note applies to Aluminum:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| | 09/29/2017:211712 All preparation quality controls are within established criteria, except:<br>The following note applies to Aluminum, Barium, Cadmium, Copper, Nickel, Lead, Antimony, Thallium:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Aluminum, Barium, Lead, Antimony, Thallium:<br>430 Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery. |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Organic QC

| | |
|---|---|
| 504 | 09/13/2017:210931 All preparation quality controls are within established criteria. |
| 504.1 | 09/14/2017:213791 All analysis quality controls are within established criteria. |
| 505 | 09/14/2017:213798 All analysis quality controls are within established criteria, except:<br>The following note applies to Tetrachloro-m-xylene:<br>362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| | 09/13/2017:211014 All preparation quality controls are within established criteria. |
| 507 | 09/28/2017:214644 All analysis quality controls are within established criteria. |
| | 09/26/2017:211540 All preparation quality controls are within established criteria. |
| 515.3 | 09/16/2017:213912 All analysis quality controls are within established criteria. |
| | 09/13/2017:211005 All preparation quality controls are within established criteria, except:<br>The following note applies to 2,4-D, 2,4,5-Trichlorophenoxyacetic A, Dinoseb, Pentachlorophenol, Picloram:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Dalapon, Picloram:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 524.2 | 09/14/2017:213994 All analysis quality controls are within established criteria, except:<br>The following note applies to Trichlorotrifluoroethane F-113, Bromomethane (Methyl Bromide), Trichlorofluoromethane F-11, Chloroethane (Ethyl Chloride:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/18/2017:214179 All analysis quality controls are within established criteria. |
| | 09/25/2017:214521 All analysis quality controls are within established criteria, except:<br>The following note applies to 1,1,2,2-Tetrachloroethane, Trichlorotrifluoroethane F-113, Bromomethane (Methyl Bromide), Dichlorodifluoromethane, Trich:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/14/2017:211189 All preparation quality controls are within established criteria, except:<br>The following note applies to Trichlorotrifluoroethane F-113:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| | 09/25/2017:211594 All preparation quality controls are within established criteria. |
| 531.1 | 09/15/2017:212156 All analysis quality controls are within established criteria. |

## Organic QC

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|---|---|
| 531.1 | 09/14/2017:211066 All preparation quality controls are within established criteria. |
| 5310C | 09/18/2017:214077 All analysis quality controls are within established criteria. |
| | 09/20/2017:214222 All analysis quality controls are within established criteria. |
| | 09/18/2017:211163 All preparation quality controls are within established criteria. |
| | 09/20/2017:211306 All preparation quality controls are within established criteria. |
| 548.1 | 09/22/2017:214244 All analysis quality controls are within established criteria. |
| | 09/19/2017:211274 All preparation quality controls are within established criteria. |
| 549 | 09/13/2017:211004 All preparation quality controls are within established criteria, except:<br>The following note applies to Diquat Dibromide:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 549.2 | 09/19/2017:214155 All analysis quality controls are within established criteria. |
| 552 | 09/19/2017:211280 All preparation quality controls are within established criteria. |
| 552.2 | 09/21/2017:214191 All analysis quality controls are within established criteria. |
| 608/8081 | 09/22/2017:214242 All analysis quality controls are within established criteria. |
| | 09/18/2017:211160 All preparation quality controls are within established criteria, except:<br>The following note applies to Tetrachloro-m-xylene:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 624 | 09/14/2017:214550 All analysis quality controls are within established criteria, except:<br>The following note applies to Acrylonitrile:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/14/2017:211554 All preparation quality controls are within established criteria, except:<br>The following note applies to 2-Chloroethylvinyl ether, Acrylonitrile, Chloroform, Freon-11, Chloroethane (Ethyl Chloride):<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to 2-Chloroethylvinyl ether:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

## Organic QC

| | |
|---|---|
| 625 | 09/21/2017:214261 All analysis quality controls are within established criteria, except:<br>The following note applies to Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, N-Nitrosodimethylamine:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/13/2017:210973 All preparation quality controls are within established criteria, except:<br>The following note applies to Hexachlorocyclopentadiene:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 625P | 09/21/2017:214485 All analysis quality controls are within established criteria. |
| | 09/22/2017:214486 All analysis quality controls are within established criteria. |
| | 09/19/2017:211227 All preparation quality controls are within established criteria, except:<br>The following note applies to Aldrin, cis_Nonachlor, Dieldrin, gamma-Chlordane, Heptachlor, Heptachlor Epoxide, o,p - DDD, o,p - DDE, p,p`-DDD, p,p`-D:<br>436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Beta BHC, Endrin, Endrin Ketone, Methoxychlor:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |

## Radio QC

| | |
|---|---|
| 900.0 | 09/26/2017:214306 All analysis quality controls are within established criteria. |
| | 09/25/2017:214615 All analysis quality controls are within established criteria. |
| | 09/26/2017:214618 All analysis quality controls are within established criteria. |
| | 09/25/2017:211467 All preparation quality controls are within established criteria. |
| 903.0 | 09/26/2017:214502 All analysis quality controls are within established criteria. |
| | 09/19/2017:211287 All preparation quality controls are within established criteria, except:<br>The following note applies to Total Alpha Radium (226):<br>436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Total Alpha Radium (226):<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 906.0 | 09/16/2017:213990 All analysis quality controls are within established criteria. |

## Radio QC

| | |
|---|---|
| 906.0 | 09/16/2017:211140 All preparation quality controls are within established criteria. |
| 908.0 | 09/29/2017:214757 All analysis quality controls are within established criteria. |
| | 09/25/2017:211488 All preparation quality controls are within established criteria. |
| Ra - 05 | 10/03/2017:215051 All analysis quality controls are within established criteria. |
| | 10/03/2017:215052 All analysis quality controls are within established criteria. |
| | 10/01/2017:211450 All preparation quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 1664A | 09/19/2017:211254 All preparation quality controls are within established criteria, except:<br>The following note applies to Oil and Grease:<br>436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |
| 2120B | 09/14/2017:213913 All analysis quality controls are within established criteria. |
| | 09/14/2017:211115 All preparation quality controls are within established criteria. |
| 2130B | 09/13/2017:213883 All analysis quality controls are within established criteria. |
| | 09/13/2017:211080 All preparation quality controls are within established criteria. |
| 2150B | 09/13/2017:211901 All preparation quality controls are within established criteria. |
| 218.6 | 09/18/2017:214067 All analysis quality controls are within established criteria. |
| | 09/18/2017:211232 All preparation quality controls are within established criteria. |
| 2320B | 09/13/2017:213806 All analysis quality controls are within established criteria. |
| | 09/13/2017:210967 All preparation quality controls are within established criteria. |
| 2510B | 09/13/2017:213728 All analysis quality controls are within established criteria. |
| | 09/13/2017:210968 All preparation quality controls are within established criteria. |
| 2540CE | 09/14/2017:211058 All preparation quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 2540D | 09/15/2017:211211 All preparation quality controls are within established criteria. |
| 300.0 | 09/13/2017:213765 All analysis quality controls are within established criteria. |
| | 09/12/2017:210989 All preparation quality controls are within established criteria. |
| 314.0 | 09/13/2017:213878 All analysis quality controls are within established criteria. |
| | 09/14/2017:213878 All analysis quality controls are within established criteria. |
| | 09/13/2017:211062 All preparation quality controls are within established criteria. |
| 351.2 | 09/22/2017:211401 All preparation quality controls are within established criteria, except:<br>The following note applies to Nitrogen, Total Kjeldahl:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Nitrogen, Total Kjeldahl:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 4500ClG | 10/09/2017:215175 All analysis quality controls are within established criteria. |
| | 10/09/2017:212128 All preparation quality controls are within established criteria. |
| 4500CNCE | 09/17/2017:213965 All analysis quality controls are within established criteria. |
| | 09/21/2017:214193 All analysis quality controls are within established criteria. |
| | 09/16/2017:211152 All preparation quality controls are within established criteria. |
| | 09/20/2017:211253 All preparation quality controls are within established criteria. |
| 4500NH3G | 09/15/2017:213889 All analysis quality controls are within established criteria. |
| | 09/15/2017:211082 All preparation quality controls are within established criteria, except:<br>The following note applies to Ammonia Nitrogen:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 4500NO2F | 09/13/2017:211006 All preparation quality controls are within established criteria. |
| 4500NO3F | 09/13/2017:213776 All analysis quality controls are within established criteria. |
| | 09/13/2017:213823 All analysis quality controls are within established criteria. |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 4500NO3F | 09/13/2017:210988 All preparation quality controls are within established criteria. |
| 4500-P B | 09/18/2017:211220 All preparation quality controls are within established criteria. |
| 4500PE | 09/19/2017:214040 All analysis quality controls are within established criteria. |
| 5210B | 09/18/2017:214028 All analysis quality controls are within established criteria. |
| | 09/13/2017:211011 All preparation quality controls are within established criteria. |
| 5540C | 09/13/2017:213905 All analysis quality controls are within established criteria. |
| | 09/13/2017:211108 All preparation quality controls are within established criteria. |
| EPA351.2 | 09/26/2017:214442 All analysis quality controls are within established criteria. |

**Certification::** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2017-10-11

October 11, 2017

Lab ID : SP 1711091-000
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 12, 2017-00:00
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Lab. Blank Water

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 97.4 | 70-130 | | % | 1 | | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-06:49SBL |
| DBCP | ND | 0.01 | 0.0057 | ug/L | 1 | U | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-06:49SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 1 | U | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-06:49SBL |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 87.3 | 70-130 | | % | 1 | | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,2-Dichlorobenzene-d4‡ | 91.7 | 70-130 | | % | 1 | | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Chloroform | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.091 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Trichloroethylene | ND | 0.5 | 0.060 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |
| Total Trihalomethanes | ND | --- | --- | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:22VRG |

**DQF Flags Definition:**

U Constituent results were non-detect.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-9
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-001
Customer ID : 2-25173

Sampled On : September 12, 2017-11:50
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Mineral** | | | | | | | | | | | | |
| Total Hardness as CaCO3 | 735 | 2.5 | 0.0065 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Calcium | 48.7 | 1 | 0.0065 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Magnesium | 149 | 1 | 0.0037 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Potassium | 1.63 | 1 | 0.065 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Sodium | 455 | 2 | 0.27 | mg/L | 2 | | 200.7 | 211086 | 09/15/17 07:20 | 200.7 | 213895-IT203 | 09/15/17-08:59AC |
| Total Cations | 34.5 | 0.1 | 0.0065 | meq/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Boron | 0.602 | 0.05 | 0.0050 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Copper | ND | 10 | 1.2 | ug/L | 1 | U | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Iron | 122 | 50 | 5.0 | ug/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Manganese | 5.61 | 10 | 0.099 | ug/L | 1 | J | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Zinc | 19.4 | 20 | 1.0 | ug/L | 1 | J | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| SAR | 7.30 | 0.1 | 0.0065 | -- | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-15:45ac |
| Total Alkalinity (as CaCO3) | 825 | 10 | 1.1 | mg/L | 1 | | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:43AMB |
| Hydroxide as OH | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:43AMB |
| Carbonate as CO3 | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:43AMB |
| Bicarbonate as HCO3 | 1010 | 10 | 1.1 | mg/L | 1.000 | | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:43AMB |
| Sulfate | 380 | 5 | 0.015 | mg/L | 5 | b | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-08:26MCA |
| Chloride | 230 | 5 | 0.0045 | mg/L | 5 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-08:26MCA |
| Nitrate as NO3 | 73.3 | 0.4 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-00:59MCA |
| Nitrite as N | ND | 0.1 | 0.0010 | mg/L | 1 | U | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-00:59MCA |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Nitrate + Nitrite as N | 16.6 | 0.1 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-00:59MCA |
| Fluoride | 1.28 | 0.1 | 0.0021 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-00:59MCA |
| Total Anions | 32.2 | 0.1 | 0.010 | meq/L | 1.000 | b | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:43AMB |
| pH | 7.35 | -- | 0.010 | units | 1 | | 4500-H B | 211258 | 09/12/17 11:50 | 4500HB | 214086-CL000 | 09/12/17-11:50MP/RS |
| Specific Conductance | 2900 | 1 | 0.16 | umhos/cm | 1 | b | 2510B | 210968 | 09/13/17 08:50 | 2510B | 213728-EC205 | 09/13/17-11:22JMG |
| Total Dissolved Solids | 1800 | 40 | 5.8 | mg/L | 1 | | 2540CE | 211058 | 09/14/17 12:40 | 2540C | 213885-WT219 | 09/15/17-05:18AMB |
| MBAS (foaming agents) | ND | 0.1 | 0.017 | mg/L | 1 | U | 5540C | 211108 | 09/13/17 10:45 | 5540C | 213905-UV208 | 09/13/17-18:45jba |
| Aggressiveness Index | 12.4 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/12/17 11:50 | 4500HB | 214086-CL000 | 09/12/17-11:50MP/RS |
| Langelier Index (20°C) | 0.4 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/12/17 11:50 | 4500HB | 214086-CL000 | 09/12/17-11:50MP/RS |
| Nitrate Nitrogen | 16.6 | 0.1 | 0.00080 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-00:59MCA |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | 0.177 | 0.01 | 0.000050 | mg/L | 1 | l | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Antimony | 0.000289 | 0.001 | 0.000044 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Arsenic | 0.00137 | 0.002 | 0.000047 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Barium | 0.0466 | 0.0002 | 0.000026 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Beryllium | ND | 0.0002 | 0.000043 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Cadmium | ND | 0.0002 | 0.000031 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Chromium | 0.00470 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Copper | 0.00401 | 0.001 | 0.000071 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Lead | 0.000261 | 0.0002 | 0.000013 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Mercury | 0.00000455 | 0.00001 | .0000021 | mg/L | 1 | J | 245.1 | 211748 | 09/29/17 07:00 | 245.1 | 214696-HG204 | 09/29/17-13:01AC |
| Nickel | 0.00438 | 0.001 | 0.000040 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-18:37AC |
| Selenium | 0.00283 | 0.002 | 0.00017 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-18:37AC |
| Silver | 0.0000580 | 0.00025 | 0.000022 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Thallium | ND | 0.0002 | 0.000018 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| Chromium III | 0.00222 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:59AC |
| **Wet Chemistry** | | | | | | | | | | | | |
| BOD | 0.7 | 2 | 0.19 | mg/L | 1 | J | 5210B | 211011 | 09/13/17 18:33 | 5210B | 214028-O2205 | 09/18/17-13:53KMM |
| Chlorine, Total | ND | 0.1 | 0.017 | mg/L | 1 | UT | 4500ClG | 212128 | 10/09/17 12:00 | 4500ClG | 215175-UV205 | 10/09/17-12:49AMM |
| Chromium VI | 2.48 | 0.1 | 0.012 | ug/L | 1 | | 218.6 | 211232 | 09/18/17 14:30 | 218.6 | 214067-IC209 | 09/18/17-18:13JDD |

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Color | <5.00 | 5 | 0.0 | units | 1 | U | 2120B | 211115 | 09/14/17 07:15 | 2120B | 213913-JMG | 09/14/17-07:40jmg |
| Cyanide, Total | ND | 0.01 | 0.0010 | mg/L | 1 | U | 4500CNCE | 211152 | 09/16/17 17:36 | 4500CNCE | 213965-UV205 | 09/17/17-16:11AMM |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | Ulb | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:08AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:08AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | Ulb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:52AMB |
| Nitrogen, Total as Nitrogen | 16.6 | 0.5 | 0.32 | mg/L | 1 | lb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:52AMB |
| Nitrate + Nitrite as N | 16.6 | 0.1 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-00:59MCA |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | Ulb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:52AMB |
| Odor | ND | 1 | 0.0 | TON | 1 | U | 2150B | 211901 | 09/13/17 08:05 | 2150B | 214903-JMG | 09/13/17-08:55jmg |
| Oil and Grease | ND | 3.3 | 1.5 | mg/L | 1.087 | UL | 1664A | 211254 | 09/19/17 11:32 | 1664A | 214156-WT215 | 09/20/17-11:27AMM |
| Phosphorus, Total | 0.125 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211220 | 09/18/17 16:03 | 4500PE | 214040-UV205 | 09/19/17-17:01SJN |
| Solids, Total Suspended (TSS) | 29.9 | 2.5 | 0.49 | mg/L | 2.5 | | 2540D | 211211 | 09/15/17 15:30 | 2540D | 214106-WT215 | 09/19/17-15:15jba |
| Turbidity | 3.91 | 0.2 | 0.048 | NTU | 1 | | 2130B | 211080 | 09/13/17 19:14 | 2130B | 213883-TR203 | 09/13/17-19:41jba |
| Perchlorate | ND | 2 | 0.29 | ug/L | 1 | U | 314.0 | 211062 | 09/13/17 19:15 | 314.0 | 213878-IC207 | 09/13/17-20:10MCA |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| T | Exceeded method-specific holding time. |

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-9
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-001
Customer ID : 2-25173

Sampled On : September 12, 2017-11:50
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 107 | 70-130 | | % | 1 | | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-07:14SBL |
| DBCP | ND | 0.01 | 0.0057 | ug/L | 1 | U | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-07:14SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 1 | U | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-07:14SBL |
| **EPA 505** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 88.6 | 70-130 | | % | 1 | | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Alachlor | ND | 0.2 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Aldrin | ND | 0.01 | 0.0040 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Chlordane | ND | 0.1 | 0.041 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Dieldrin | ND | 0.0099 | 0.0024 | ug/L | 0.99357 | Ub | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Endrin | ND | 0.01 | 0.0054 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Heptachlor | ND | 0.01 | 0.0026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Heptachlor Epoxide | ND | 0.01 | 0.0046 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Hexachlorobenzene | ND | 0.01 | 0.0031 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Hexachlorocyclopentadiene | ND | 0.1 | 0.027 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Lindane (Gamma BHC) | ND | 0.05 | 0.0049 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Methoxychlor | ND | 0.1 | 0.0098 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| Toxaphene | ND | 0.5 | 0.11 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| PCB 1016 | ND | 0.5 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| PCB 1221 | ND | 0.5 | 0.067 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| PCB 1232 | ND | 0.5 | 0.073 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 505** | | | | | | | | | | | | |
| PCB 1242 | ND | 0.5 | 0.14 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| PCB 1248 | ND | 0.5 | 0.15 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| PCB 1254 | ND | 0.5 | 0.026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| PCB 1260 | ND | 0.5 | 0.12 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-07:23SBL |
| **EPA 507** | | | | | | | | | | | | |
| Triphenylphosphate‡ | 87.0 | 70-130 | | % | 0.93023 | | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Alachlor | ND | 0.93 | 0.16 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Atrazine | ND | 0.93 | 0.14 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Bromacil | ND | 1.9 | 0.12 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Butachlor | ND | 0.93 | 0.21 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Diazinon | ND | 1.9 | 0.18 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Dimethoate | ND | 1.9 | 0.089 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Metolachlor | ND | 0.93 | 0.41 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Metribuzin | ND | 0.47 | 0.24 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Molinate | ND | 1.9 | 0.13 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Prometryne | ND | 1.9 | 0.095 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Propachlor | ND | 0.93 | 0.12 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Simazine | ND | 0.93 | 0.16 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Thiobencarb | ND | 0.93 | 0.15 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| Cyanazine | ND | 0.93 | 0.11 | ug/L | 0.93023 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:15SG |
| **EPA 515** | | | | | | | | | | | | |
| 2,4-DCAA‡ | 114 | 70-130 | | % | 1 | | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| Bentazon | ND | 2 | 0.45 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| 2,4-D | ND | 2 | 0.90 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| Dalapon | ND | 10 | 3.5 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| Dicamba | ND | 1 | 0.29 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| Dinoseb | ND | 1 | 0.49 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| Pentachlorophenol | ND | 0.2 | 0.10 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| Picloram | ND | 1 | 0.18 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| 2,4,5-TP (Silvex) | ND | 1 | 0.32 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 515** | | | | | | | | | | | | |
| 2,4,5-T | ND | 1 | 0.42 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-01:26SG |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 82.4 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,2-Dichlorobenzene-d4‡ | 87.6 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Chloroform | 0.665 | 0.5 | 0.070 | ug/L | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.091 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Trichloroethylene | ND | 0.5 | 0.060 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | Uh | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| Total Trihalomethanes | 0.665 | --- | --- | ug/L | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:00VRG |
| **EPA 531.1** | | | | | | | | | | | | |
| Aldicarb | ND | 3 | 0.15 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-13:32SG |
| Aldicarb Sulfone | ND | 2 | 0.31 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-13:32SG |
| Aldicarb Sulfoxide | ND | 3 | 0.68 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-13:32SG |
| Carbaryl | ND | 5 | 0.36 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-13:32SG |
| Carbofuran | ND | 5 | 1.1 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-13:32SG |
| 3-Hydroxycarbofuran | ND | 10 | 1.8 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-13:32SG |
| Methomyl | ND | 5 | 0.56 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-13:32SG |
| Oxamyl | ND | 5 | 1.4 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-13:32SG |
| **EPA 548.1** | | | | | | | | | | | | |
| Endothall | ND | 40 | 16 | ug/L | 1 | U | 548.1 | 211274 | 09/19/17 15:28 | 548.1 | 214244-GC220 | 09/22/17-05:25SG |
| **EPA 549** | | | | | | | | | | | | |
| Diquat | ND | 2 | 0.12 | ug/L | 1 | Uh | 549 | 211004 | 09/13/17 15:09 | 549.2 | 214155-LC204 | 09/19/17-15:22SG |
| **EPA 552.2** | | | | | | | | | | | | |
| 2,3-Dibromopropionic Acid‡ | 88.8 | 70-130 | | % | 1 | | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-06:48SBL |
| Bromoacetic Acid | ND | 1 | 0.55 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-06:48SBL |
| Chloroacetic Acid | ND | 2 | 0.28 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-06:48SBL |
| Dibromoacetic Acid | 0.547 | 1 | 0.25 | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-06:48SBL |
| Dichloroacetic Acid | ND | 1 | 0.57 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-06:48SBL |
| Trichloroacetic Acid | 0.839 | 1 | 0.39 | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-06:48SBL |
| Haloacetic acids (five) | 1.39 | --- | --- | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-06:48SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 608** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 35.5 | 15-143 | | % | 0.93458 | | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| Chlordane | ND | 1.9 | 0.025 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| PCB 1016 | ND | 0.47 | 0.13 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| PCB 1221 | ND | 0.47 | 0.19 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| PCB 1232 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| PCB 1242 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| PCB 1248 | ND | 0.47 | 0.056 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| PCB 1254 | ND | 0.47 | 0.086 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| PCB 1260 | ND | 0.47 | 0.11 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| Toxaphene | ND | 1.9 | 0.044 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-01:44SBL |
| **EPA 624** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 99.9 | 70-161 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Fluorobenzene‡ | 97.5 | 72-139 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Pentafluorobenzene‡ | 107 | 59-151 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Acetone | ND | 50 | 7.2 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Acrylonitrile | ND | 2 | 0.85 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Benzene | ND | 0.5 | 0.13 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Bromodichloromethane | ND | 0.5 | 0.089 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Bromoform | ND | 1 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Bromomethane | ND | 0.5 | 0.25 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Chloromethane | ND | 0.5 | 0.36 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 2-Butanone (MEK) | ND | 10 | 0.83 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Carbon Disulfide | ND | 5 | 0.26 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Chlorobenzene | ND | 0.5 | 0.036 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Chloroethane | ND | 0.5 | 0.37 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 2-Chloroethylvinyl ether | ND | 10 | 0.14 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Chloroform | 0.459 | 0.5 | 0.045 | ug/L | 1 | Jfl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Dibromochloromethane | ND | 0.5 | 0.078 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 624** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.026 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.11 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.063 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.044 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.49 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| trans-1,2-Dichloroethylene | ND | 1 | 0.12 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.094 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.10 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| trans-1,3-Dichloropropene | ND | 1 | 0.035 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Ethyl Benzene | ND | 0.5 | 0.046 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 2-Hexanone | ND | 5 | 0.46 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | 0.29 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Methylene Chloride | ND | 0.5 | 0.24 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.081 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Styrene | ND | 0.5 | 0.059 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.076 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Tetrachloroethylene | ND | 0.5 | 0.056 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Toluene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.053 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Trichloroethylene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Trichlorofluoromethane | ND | 1.5 | 0.15 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Vinyl Acetate | ND | 100 | 0.15 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Vinyl Chloride | ND | 0.5 | 0.17 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Xylenes m,p | ND | 0.5 | 0.084 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Xylenes o | ND | 0.5 | 0.062 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |
| Xylenes | ND | --- | --- | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:07VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 2-Fluorobiphenyl‡ | 50.1 | 29-98 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2-Fluorophenol‡ | 56.6 | 23-105 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Nitrobenzene-d5‡ | 55.0 | 23-104 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Phenol-d6‡ | 55.2 | 26-102 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| p-Terphenyl-d14‡ | 58.0 | 29-93 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2,4,6-Tribromophenol‡ | 58.7 | 34-116 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Acenaphthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Acenaphthylene | ND | 0.93 | 0.39 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Benzidine | ND | 9.3 | 1.8 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Benzo(a)anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Benzo(a)pyrene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Benzo(b)fluoranthene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Benzo(g,h,i)perylene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Benzo(k)fluoranthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| bis(2-Chloroethoxy)methane | ND | 0.93 | 0.56 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| bis(2-Chloroethyl)ether | ND | 0.93 | 0.52 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| bis(2-Chloroisopropyl)ether | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| bis(2-Ethylhexyl)phthalate | 0.425 | 1.9 | 0.41 | ug/L | 0.93458 | J | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 4-Bromophenylphenylether | ND | 0.93 | 0.46 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Butylbenzylphthalate | ND | 1.9 | 0.29 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 4-Chloro-3-methylphenol | ND | 1.9 | 0.86 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2-Chloronaphthalene | ND | 0.93 | 0.63 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2-Chlorophenol | ND | 1.9 | 1.0 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 4-Chlorophenylphenylether | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Chrysene | ND | 0.93 | 0.51 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Dibenzo(a,h)anthracene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 1,2-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 1,3-Dichlorobenzene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 1,4-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2,4-Dichlorophenol | ND | 1.9 | 0.79 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Diethylphthalate | ND | 0.93 | 0.34 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2,4-Dimethylphenol | ND | 1.9 | 0.76 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Dimethylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Di-n-butylphthalate | ND | 1.9 | 0.35 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 4,6-Dinitro-2-methylphenol | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2,4-Dinitrophenol | ND | 4.7 | 0.22 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2,4-Dinitrotoluene | ND | 0.93 | 0.49 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2,6-Dinitrotoluene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Di-n-octylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 1,2-Diphenylhydrazine | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Fluoranthene | ND | 0.93 | 0.44 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Fluorene | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Hexachlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Hexachlorobutadiene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Hexachlorocyclopentadiene | ND | 0.93 | 0.24 | ug/L | 0.93458 | Uh | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Hexachloroethane | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Indeno(1,2,3-c,d)pyrene | ND | 0.93 | 0.38 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Isophorone | ND | 0.93 | 0.41 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Naphthalene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Nitrobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 4-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| N-Nitrosodimethylamine | ND | 1.9 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| N-Nitrosodi-n-propylamine | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| N-Nitrosodiphenylamine | ND | 0.93 | 0.74 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Pentachlorophenol | ND | 1.9 | 0.91 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Phenanthrene | ND | 0.93 | 0.018 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Phenol | ND | 0.93 | 0.88 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| Pyrene | ND | 0.93 | 0.46 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| Pyridine | ND | 9.3 | 0.32 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 1,2,4-Trichlorobenzene | ND | 0.93 | 0.48 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2,4,6-Trichlorophenol | ND | 0.93 | 0.90 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| 2,4,5-Trichlorophenol | ND | 1.9 | 1.2 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-02:16SBL |
| **EPA 625 Pest** | | | | | | | | | | | | |
| Aldrin | ND | 4.7 | 0.91 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Alpha BHC | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Beta BHC | ND | 4.7 | 1.5 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Delta BHC | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Lindane (Gamma BHC) | ND | 4.7 | 3.7 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| alpha-Chlordane | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| gamma-Chlordane | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| o,p - DDD | ND | 4.7 | 0.54 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| o,p - DDE | ND | 4.7 | 0.35 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| o,p - DDT | ND | 4.7 | 0.95 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| p,p'-DDD | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| p,p'-DDE | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| p,p'-DDT | ND | 4.7 | 4.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Dieldrin | ND | 4.7 | 1.5 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Endosulfan I | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Endosulfan II | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Endosulfan Sulfate | ND | 4.7 | 1.2 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Endrin | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Endrin Aldehyde | ND | 4.7 | 1.9 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Endrin Ketone | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Heptachlor | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Heptachlor Epoxide | ND | 4.7 | 0.77 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Methoxychlor | ND | 4.7 | 0.46 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| cis_Nonachlor | ND | 47 | 1.6 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 625 Pest** | | | | | | | | | | | | |
| trans-Nonachlor | ND | 47 | 1.2 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| Tetrachloro-m-xylene‡ | 59.0 | 26-90 | | % | 0.93458 | | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-01:25SG |
| **TOC** | | | | | | | | | | | | |
| TOC | 0.696 | 0.5 | 0.15 | mg/L | 1 | | 5310C | 211163 | 09/18/17 07:59 | 5310C | 214077-TC203 | 09/18/17-20:03AMM |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| H | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| f | MS/MSD QC requirement met by BS/BSD due to limited sample volume. |

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-9
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-001
Customer ID : 2-25173

Sampled On : September 12, 2017-11:50
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Radio

| Constituent | Result ± Error | MDA | Units | MCL/AL | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Radio Chemistry** | | | | | | | | | | | |
| Gross Alpha | 34.2 ± 4.00 | 1.87 | pCi/L | 15 | | 900.0 | 211467 | 09/25/17 09:40 | 900.0 | 214618-GP219 | 09/26/17-15:50aat |
| Gross Beta | 1.60 ± 1.82 | 1.79 | pCi/L | 50 | | 900.0 | 211467 | 09/25/17 09:40 | 900.0 | 214618-GP219 | 09/26/17-15:50aat |
| Total Alpha Radium (226) | 0.000 ± 0.079 | 0.363 | pCi/L | 3 | L | 903.0 | 211287 | 09/19/17 18:30 | 903.0 | 214502-GP215 | 09/26/17-12:35emv |
| Tritium | 276 ± 266 | 434 | pCi/L | 20000 | | 906.0 | 211140 | 09/16/17 05:47 | 906.0 | 213990-LS202 | 09/16/17-20:15elc |
| Uranium | 22.4 ± 3.38 | 0.470 | pCi/L | 20 | | 908.0 | 211488 | 09/25/17 11:02 | 908.0 | 214757-GP216 | 09/29/17-13:00aat |
| Ra 228 | 0.234 ± 0.631 | 0.381 | pCi/L | 2 | | Ra - 05 | 211450 | 10/01/17 13:45 | Ra - 05 | 215052-GP217 | 10/03/17-17:50emv |

**DQF Flags Definition:**
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW07S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-003
Customer ID : 2-25173

Sampled On : September 12, 2017-10:12
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Total Hardness as CaCO3 | 604 | 2.5 | 0.0065 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Calcium | 98.0 | 1 | 0.0065 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Magnesium | 87.4 | 1 | 0.0037 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Potassium | 3.27 | 1 | 0.065 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Sodium | 206 | 1 | 0.27 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Total Cations | 21.1 | 0.1 | 0.0065 | meq/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Boron | 0.387 | 0.05 | 0.0050 | mg/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Copper | ND | 10 | 1.2 | ug/L | 1 | U | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Iron | 387 | 50 | 5.0 | ug/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Manganese | 54.8 | 10 | 0.099 | ug/L | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Zinc | 17.4 | 20 | 1.0 | ug/L | 1 | J | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| SAR | 3.65 | 0.1 | 0.0065 | -- | 1 | | 200.7 | 210942 | 09/13/17 10:00 | 200.7 | 213855-IT203 | 09/13/17-16:38ac |
| Total Alkalinity (as CaCO3) | 407 | 10 | 1.1 | mg/L | 1 | | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:31AMB |
| Hydroxide as OH | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:31AMB |
| Carbonate as CO3 | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:31AMB |
| Bicarbonate as HCO3 | 497 | 10 | 1.1 | mg/L | 1.000 | | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:31AMB |
| Sulfate | 268 | 4 | 0.015 | mg/L | 4 | b | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-08:47MCA |
| Chloride | 201 | 4 | 0.0045 | mg/L | 4 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-08:47MCA |
| Nitrate as NO3 | 22.0 | 0.4 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:21MCA |
| Nitrite as N | ND | 0.1 | 0.0010 | mg/L | 1 | U | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:21MCA |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Nitrate + Nitrite as N | 5.00 | 0.1 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:21MCA |
| Fluoride | 0.458 | 0.1 | 0.0021 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:21MCA |
| Total Anions | 19.8 | 0.1 | 0.010 | meq/L | 1.000 | b | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:31AMB |
| pH | 7.12 | -- | 0.010 | units | 1 | | 4500-H B | 211258 | 09/12/17 10:12 | 4500HB | 214086-CL000 | 09/12/17-10:12MP/RS |
| Specific Conductance | 1850 | 1 | 0.16 | umhos/cm | 1 | b | 2510B | 210968 | 09/13/17 08:50 | 2510B | 213728-EC205 | 09/13/17-11:22JMG |
| Total Dissolved Solids | 1150 | 40 | 5.8 | mg/L | 1 | | 2540CE | 211058 | 09/14/17 12:40 | 2540C | 213885-WT219 | 09/15/17-05:23AMB |
| MBAS (foaming agents) | ND | 0.1 | 0.017 | mg/L | 1 | J | 5540C | 211108 | 09/13/17 10:45 | 5540C | 213905-UV208 | 09/13/17-18:45jba |
| Aggressiveness Index | 12.1 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/12/17 10:12 | 4500HB | 214086-CL000 | 09/12/17-10:12MP/RS |
| Langelier Index (20°C) | 0.2 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/12/17 10:12 | 4500HB | 214086-CL000 | 09/12/17-10:12MP/RS |
| Nitrate Nitrogen | 5.00 | 0.1 | 0.00080 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:21MCA |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | 0.545 | 0.02 | 0.000050 | mg/L | 2 | hP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214923-IX202 | 10/03/17-17:18AC |
| Antimony | 0.000534 | 0.001 | 0.000044 | mg/L | 1 | JhP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Arsenic | 0.00356 | 0.002 | 0.000047 | mg/L | 1 | | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Barium | 0.0593 | 0.0002 | 0.000026 | mg/L | 1 | hP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Beryllium | ND | 0.0002 | 0.000043 | mg/L | 1 | U | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Cadmium | ND | 0.0002 | 0.000031 | mg/L | 1 | Uh | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Chromium | 0.00384 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Copper | 0.00131 | 0.001 | 0.000071 | mg/L | 1 | h | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Lead | 0.000142 | 0.0002 | 0.000013 | mg/L | 1 | JhP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Mercury | 0.00000516 | 0.00001 | .0000021 | mg/L | 1 | J | 245.1 | 211748 | 09/29/17 07:00 | 245.1 | 214696-HG204 | 09/29/17-13:05AC |
| Nickel | 0.00994 | 0.001 | 0.000040 | mg/L | 1 | h | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Selenium | 0.00234 | 0.002 | 0.00017 | mg/L | 1 | | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Silver | ND | 0.00025 | 0.000022 | mg/L | 1 | U | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Thallium | ND | 0.0002 | 0.000018 | mg/L | 1 | UhP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| Chromium III | 0.00297 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:50AC |
| **Wet Chemistry** | | | | | | | | | | | | |
| BOD | 0.9 | 2 | 0.19 | mg/L | 1 | J | 5210B | 211011 | 09/13/17 18:36 | 5210B | 214028-O2205 | 09/18/17-13:53KMM |
| Chlorine, Total | ND | 0.1 | 0.017 | mg/L | 1 | UT | 4500ClG | 212128 | 10/09/17 12:00 | 4500ClG | 215175-UV205 | 10/09/17-12:50AMM |
| Chromium VI | 0.866 | 0.1 | 0.012 | ug/L | 1 | | 218.6 | 211232 | 09/18/17 14:30 | 218.6 | 214067-IC209 | 09/18/17-18:46JDD |

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **Wet Chemistry** | | | | | | | | | | | | |
| Color | <5.00 | 5 | 0.0 | units | 1 | U | 2120B | 211115 | 09/14/17 07:15 | 2120B | 213913-JMG | 09/14/17-07:40jmg |
| Cyanide, Total | ND | 0.01 | 0.0010 | mg/L | 1 | U | 4500CNCE | 211253 | 09/20/17 11:26 | 4500CNCE | 214193-UV205 | 09/21/17-10:45AMM |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | Ulb | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:16AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:16AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | Ulb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:53AMB |
| Nitrogen, Total as Nitrogen | 5.00 | 0.5 | 0.32 | mg/L | 1 | lb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:53AMB |
| Nitrate + Nitrite as N | 5.00 | 0.1 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:21MCA |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | Ulb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:53AMB |
| Odor | ND | 1 | 0.0 | TON | 1 | U | 2150B | 211901 | 09/13/17 08:05 | 2150B | 214903-JMG | 09/13/17-08:55jmg |
| Oil and Grease | ND | 3.3 | 1.5 | mg/L | 1.0989 | UL | 1664A | 211254 | 09/19/17 11:32 | 1664A | 214156-WT215 | 09/20/17-11:27AMM |
| Phosphorus, Total | 0.214 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211220 | 09/18/17 16:03 | 4500PE | 214040-UV205 | 09/19/17-17:02SJN |
| Solids, Total Suspended (TSS) | 21.7 | 1.5 | 0.49 | mg/L | 1.5385 | | 2540D | 211211 | 09/15/17 15:30 | 2540D | 214106-WT215 | 09/19/17-15:15jba |
| Turbidity | 6.75 | 0.2 | 0.048 | NTU | 1 | | 2130B | 211080 | 09/13/17 19:14 | 2130B | 213883-TR203 | 09/13/17-19:41jba |
| Perchlorate | ND | 2 | 0.29 | ug/L | 1 | U | 314.0 | 211062 | 09/13/17 13:20 | 314.0 | 213878-IC207 | 09/13/17-17:24MCA |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| P | Post Digestion Spike (PDS) not within Acceptance Range (AR). |
| T | Exceeded method-specific holding time. |

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW07S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-003
Customer ID : 2-25173

Sampled On : September 12, 2017-10:12
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 105 | 70-130 | | % | 1 | | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-07:39SBL |
| DBCP | ND | 0.01 | 0.0057 | ug/L | 1 | U | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-07:39SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 1 | U | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-07:39SBL |
| **EPA 505** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 91.1 | 70-130 | | % | 1 | | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Alachlor | ND | 0.2 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Aldrin | ND | 0.01 | 0.0040 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Chlordane | ND | 0.1 | 0.041 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Dieldrin | ND | 0.0098 | 0.0024 | ug/L | 0.9838 | Ub | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Endrin | ND | 0.01 | 0.0054 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Heptachlor | ND | 0.01 | 0.0026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Heptachlor Epoxide | ND | 0.01 | 0.0046 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Hexachlorobenzene | ND | 0.01 | 0.0031 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Hexachlorocyclopentadiene | ND | 0.1 | 0.027 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Lindane (Gamma BHC) | ND | 0.05 | 0.0049 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Methoxychlor | ND | 0.1 | 0.0098 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| Toxaphene | ND | 0.5 | 0.11 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| PCB 1016 | ND | 0.5 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| PCB 1221 | ND | 0.5 | 0.067 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| PCB 1232 | ND | 0.5 | 0.073 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 505** | | | | | | | | | | | | |
| PCB 1242 | ND | 0.5 | 0.14 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| PCB 1248 | ND | 0.5 | 0.15 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| PCB 1254 | ND | 0.5 | 0.026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| PCB 1260 | ND | 0.5 | 0.12 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-08:02SBL |
| **EPA 507** | | | | | | | | | | | | |
| Triphenylphosphate‡ | 56.9 | 70-130 | | % | 0.9434 | L | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Alachlor | ND | 0.94 | 0.16 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Atrazine | ND | 0.94 | 0.14 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Bromacil | ND | 1.9 | 0.12 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Butachlor | ND | 0.94 | 0.21 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Diazinon | ND | 1.9 | 0.18 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Dimethoate | ND | 1.9 | 0.089 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Metolachlor | ND | 0.94 | 0.41 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Metribuzin | ND | 0.47 | 0.24 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Molinate | ND | 1.9 | 0.13 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Prometryne | ND | 1.9 | 0.095 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Propachlor | ND | 0.94 | 0.12 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Simazine | ND | 0.94 | 0.16 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Thiobencarb | ND | 0.94 | 0.15 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| Cyanazine | ND | 0.94 | 0.11 | ug/L | 0.9434 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-22:52SG |
| **EPA 515** | | | | | | | | | | | | |
| 2,4-DCAA‡ | 105 | 70-130 | | % | 1 | | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| Bentazon | ND | 2 | 0.45 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| 2,4-D | ND | 2 | 0.90 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| Dalapon | ND | 10 | 3.5 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| Dicamba | ND | 1 | 0.29 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| Dinoseb | ND | 1 | 0.49 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| Pentachlorophenol | ND | 0.2 | 0.10 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| Picloram | ND | 1 | 0.18 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| 2,4,5-TP (Silvex) | ND | 1 | 0.32 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 515** | | | | | | | | | | | | |
| 2,4,5-T | ND | 1 | 0.42 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:05SG |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 81.0 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,2-Dichlorobenzene-d4‡ | 83.0 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Chloroform | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| cis-1,2-Dichloroethylene | 0.731 | 0.5 | 0.064 | ug/L | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Methyl tert-Butyl Ether (MTBE) | 0.386 | 1 | 0.091 | ug/L | 1 | J | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Trichloroethylene | 0.250 | 0.5 | 0.060 | ug/L | 1 | J | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | Uh | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| Total Trihalomethanes | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:27VRG |
| **EPA 531.1** | | | | | | | | | | | | |
| Aldicarb | ND | 3 | 0.15 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-14:35SG |
| Aldicarb Sulfone | ND | 2 | 0.31 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-14:35SG |
| Aldicarb Sulfoxide | ND | 3 | 0.68 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-14:35SG |
| Carbaryl | ND | 5 | 0.36 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-14:35SG |
| Carbofuran | ND | 5 | 1.1 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-14:35SG |
| 3-Hydroxycarbofuran | ND | 10 | 1.8 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-14:35SG |
| Methomyl | ND | 5 | 0.56 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-14:35SG |
| Oxamyl | ND | 5 | 1.4 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-14:35SG |
| **EPA 548.1** | | | | | | | | | | | | |
| Endothall | ND | 40 | 16 | ug/L | 1 | U | 548.1 | 211274 | 09/19/17 15:28 | 548.1 | 214244-GC220 | 09/22/17-05:54SG |
| **EPA 549** | | | | | | | | | | | | |
| Diquat | ND | 2 | 0.12 | ug/L | 1 | Uh | 549 | 211004 | 09/13/17 15:09 | 549.2 | 214155-LC204 | 09/19/17-15:29SG |
| **EPA 552.2** | | | | | | | | | | | | |
| 2,3-Dibromopropionic Acid‡ | 92.7 | 70-130 | | % | 1 | | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:20SBL |
| Bromoacetic Acid | ND | 1 | 0.55 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:20SBL |
| Chloroacetic Acid | ND | 2 | 0.28 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:20SBL |
| Dibromoacetic Acid | 0.547 | 1 | 0.25 | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:20SBL |
| Dichloroacetic Acid | ND | 1 | 0.57 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:20SBL |
| Trichloroacetic Acid | 0.840 | 1 | 0.39 | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:20SBL |
| Haloacetic acids (five) | 1.39 | --- | --- | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:20SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 608** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 54.3 | 15-143 | | % | 0.93458 | | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| Chlordane | ND | 1.9 | 0.025 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| PCB 1016 | ND | 0.47 | 0.13 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| PCB 1221 | ND | 0.47 | 0.19 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| PCB 1232 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| PCB 1242 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| PCB 1248 | ND | 0.47 | 0.056 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| PCB 1254 | ND | 0.47 | 0.086 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| PCB 1260 | ND | 0.47 | 0.11 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| Toxaphene | ND | 1.9 | 0.044 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-02:22SBL |
| **EPA 624** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 177 | 70-161 | | % | 1 | fH | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Fluorobenzene‡ | 99.9 | 72-139 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Pentafluorobenzene‡ | 110 | 59-151 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Acetone | ND | 50 | 7.2 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Acrylonitrile | ND | 2 | 0.85 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Benzene | ND | 0.5 | 0.13 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Bromodichloromethane | ND | 0.5 | 0.089 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Bromoform | ND | 1 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Bromomethane | ND | 0.5 | 0.25 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Chloromethane | ND | 0.5 | 0.36 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 2-Butanone (MEK) | ND | 10 | 0.83 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Carbon Disulfide | ND | 5 | 0.26 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Chlorobenzene | ND | 0.5 | 0.036 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Chloroethane | ND | 0.5 | 0.37 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 2-Chloroethylvinyl ether | ND | 10 | 0.14 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Chloroform | ND | 0.5 | 0.045 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Dibromochloromethane | ND | 0.5 | 0.078 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 624** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.026 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.11 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.063 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.044 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.49 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| trans-1,2-Dichloroethylene | ND | 1 | 0.12 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.094 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.10 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| trans-1,3-Dichloropropene | ND | 1 | 0.035 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Ethyl Benzene | ND | 0.5 | 0.046 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 2-Hexanone | ND | 5 | 0.46 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | 0.29 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Methylene Chloride | ND | 0.5 | 0.24 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.081 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Styrene | ND | 0.5 | 0.059 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.076 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Tetrachloroethylene | ND | 0.5 | 0.056 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Toluene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.053 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Trichloroethylene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Trichlorofluoromethane | ND | 1.5 | 0.15 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Vinyl Acetate | ND | 100 | 0.15 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Vinyl Chloride | ND | 0.5 | 0.17 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Xylenes m,p | ND | 0.5 | 0.084 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Xylenes o | ND | 0.5 | 0.062 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |
| Xylenes | ND | --- | --- | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-15:35VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 2-Fluorobiphenyl‡ | 57.3 | 29-98 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2-Fluorophenol‡ | 67.5 | 23-105 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Nitrobenzene-d5‡ | 62.2 | 23-104 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Phenol-d6‡ | 67.0 | 26-102 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| p-Terphenyl-d14‡ | 55.0 | 29-93 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2,4,6-Tribromophenol‡ | 63.8 | 34-116 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Acenaphthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Acenaphthylene | ND | 0.93 | 0.39 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Benzidine | ND | 9.3 | 1.8 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Benzo(a)anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Benzo(a)pyrene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Benzo(b)fluoranthene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Benzo(g,h,i)perylene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Benzo(k)fluoranthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| bis(2-Chloroethoxy)methane | ND | 0.93 | 0.56 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| bis(2-Chloroethyl)ether | ND | 0.93 | 0.52 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| bis(2-Chloroisopropyl)ether | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| bis(2-Ethylhexyl)phthalate | 0.556 | 1.9 | 0.41 | ug/L | 0.93458 | J | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 4-Bromophenylphenylether | ND | 0.93 | 0.46 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Butylbenzylphthalate | ND | 1.9 | 0.29 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 4-Chloro-3-methylphenol | ND | 1.9 | 0.86 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2-Chloronaphthalene | ND | 0.93 | 0.63 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2-Chlorophenol | ND | 1.9 | 1.0 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 4-Chlorophenylphenylether | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Chrysene | ND | 0.93 | 0.51 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Dibenzo(a,h)anthracene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 1,2-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 1,3-Dichlorobenzene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 1,4-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2,4-Dichlorophenol | ND | 1.9 | 0.79 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Diethylphthalate | ND | 0.93 | 0.34 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2,4-Dimethylphenol | ND | 1.9 | 0.76 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Dimethylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Di-n-butylphthalate | ND | 1.9 | 0.35 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 4,6-Dinitro-2-methylphenol | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2,4-Dinitrophenol | ND | 4.7 | 0.22 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2,4-Dinitrotoluene | ND | 0.93 | 0.49 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2,6-Dinitrotoluene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Di-n-octylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 1,2-Diphenylhydrazine | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Fluoranthene | ND | 0.93 | 0.44 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Fluorene | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Hexachlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Hexachlorobutadiene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Hexachlorocyclopentadiene | ND | 0.93 | 0.24 | ug/L | 0.93458 | Uh | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Hexachloroethane | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Indeno(1,2,3-c,d)pyrene | ND | 0.93 | 0.38 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Isophorone | ND | 0.93 | 0.41 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Naphthalene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Nitrobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 4-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| N-Nitrosodimethylamine | ND | 1.9 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| N-Nitrosodi-n-propylamine | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| N-Nitrosodiphenylamine | ND | 0.93 | 0.74 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Pentachlorophenol | ND | 1.9 | 0.91 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Phenanthrene | ND | 0.93 | 0.018 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Phenol | ND | 0.93 | 0.88 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| Pyrene | ND | 0.93 | 0.46 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| Pyridine | ND | 9.3 | 0.32 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 1,2,4-Trichlorobenzene | ND | 0.93 | 0.48 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2,4,6-Trichlorophenol | ND | 0.93 | 0.90 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| 2,4,5-Trichlorophenol | ND | 1.9 | 1.2 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-03:10SBL |
| **EPA 625 Pest** | | | | | | | | | | | | |
| Aldrin | ND | 4.7 | 0.91 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Alpha BHC | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Beta BHC | ND | 4.7 | 1.5 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Delta BHC | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Lindane (Gamma BHC) | ND | 4.7 | 3.7 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| alpha-Chlordane | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| gamma-Chlordane | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| o,p - DDD | ND | 4.7 | 0.54 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| o,p - DDE | ND | 4.7 | 0.35 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| o,p - DDT | ND | 4.7 | 0.95 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| p,p'-DDD | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| p,p'-DDE | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| p,p'-DDT | ND | 4.7 | 4.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Dieldrin | ND | 4.7 | 1.5 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Endosulfan I | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Endosulfan II | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Endosulfan Sulfate | ND | 4.7 | 1.2 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Endrin | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Endrin Aldehyde | ND | 4.7 | 1.9 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Endrin Ketone | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Heptachlor | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Heptachlor Epoxide | ND | 4.7 | 0.77 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Methoxychlor | ND | 4.7 | 0.46 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| cis_Nonachlor | ND | 47 | 1.6 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 625 Pest** | | | | | | | | | | | | |
| trans-Nonachlor | ND | 47 | 1.2 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| Tetrachloro-m-xylene‡ | 64.8 | 26-90 | | % | 0.93458 | | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-18:47SG |
| **TOC** | | | | | | | | | | | | |
| TOC | 0.557 | 0.5 | 0.15 | mg/L | 1 | | 5310C | 211306 | 09/20/17 10:39 | 5310C | 214222-TC203 | 09/20/17-14:37AMM |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| H | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| f | MS/MSD QC requirement met by BS/BSD due to limited sample volume. |

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW07S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-003
Customer ID : 2-25173

Sampled On : September 12, 2017-10:12
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Radio

| Constituent | Result ± Error | MDA | Units | MCL/AL | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Radio Chemistry** | | | | | | | | | | | |
| Gross Alpha | 15.2 ± 3.00 | 2.89 | pCi/L | 15 | | 900.0 | 211467 | 09/25/17 09:40 | 900.0 | 214615-GP218 | 09/25/17-09:40aat |
| Gross Beta | 3.70 ± 1.93 | 2.26 | pCi/L | 50 | | 900.0 | 211467 | 09/25/17 09:40 | 900.0 | 214615-GP218 | 09/25/17-09:40aat |
| Total Alpha Radium (226) | 0.340 ± 0.188 | 0.363 | pCi/L | 3 | L | 903.0 | 211287 | 09/19/17 18:30 | 903.0 | 214502-GP215 | 09/26/17-17:40emv |
| Tritium | 314 ± 267 | 434 | pCi/L | 20000 | | 906.0 | 211140 | 09/16/17 05:47 | 906.0 | 213990-LS202 | 09/16/17-21:06elc |
| Uranium | 2.87 ± 1.45 | 0.470 | pCi/L | 20 | | 908.0 | 211488 | 09/25/17 11:02 | 908.0 | 214757-GP216 | 09/29/17-13:30aat |
| Ra 228 | 0.000 ± 0.602 | 0.381 | pCi/L | 2 | | Ra - 05 | 211450 | 10/01/17 13:45 | Ra - 05 | 215052-GP217 | 10/03/17-18:10emv |

**DQF Flags Definition:**
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : LAMW-5S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-009
Customer ID : 2-25173

Sampled On : September 12, 2017-09:00
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Mineral** | | | | | | | | | | | | |
| Total Hardness as CaCO3 | 326 | 2.5 | 0.13 | mg/L | 1 | l | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Calcium | 72.9 | 1 | 0.13 | mg/L | 1 | | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Magnesium | 35.1 | 1 | 0.0081 | mg/L | 1 | l | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Potassium | 6.09 | 1 | 0.037 | mg/L | 1 | | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Sodium | 100 | 1 | 0.17 | mg/L | 1 | | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Total Cations | 11.0 | 0.1 | 0.13 | meq/L | 1 | l | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Boron | 0.325 | 0.05 | 0.00089 | mg/L | 1 | U | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Copper | 17.4 | 10 | 1.1 | ug/L | 1 | | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Iron | 12000 | 50 | 2.3 | ug/L | 1 | l | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Manganese | 208 | 10 | 0.13 | ug/L | 1 | | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Zinc | 62.8 | 20 | 3.2 | ug/L | 1 | | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| SAR | 2.41 | 0.1 | 0.13 | -- | 1 | l | 200.7 | 211206 | 10/10/17 03:00 | 200.7 | 215360-IT203 | 10/11/17-11:59AC |
| Total Alkalinity (as CaCO3) | 169 | 10 | 1.1 | mg/L | 1 | | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:23AMB |
| Hydroxide as OH | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:23AMB |
| Carbonate as CO3 | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:23AMB |
| Bicarbonate as HCO3 | 206 | 10 | 1.1 | mg/L | 1.000 | | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:23AMB |
| Sulfate | 98.6 | 1 | 0.015 | mg/L | 1 | b | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:42MCA |
| Chloride | 117 | 2 | 0.0045 | mg/L | 2 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-09:08MCA |
| Nitrate as NO3 | 72.8 | 0.4 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:42MCA |
| Nitrite as N | ND | 0.1 | 0.0010 | mg/L | 1 | U | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:42MCA |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Nitrate + Nitrite as N | 16.4 | 0.1 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:42MCA |
| Fluoride | 0.520 | 0.1 | 0.0021 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:42MCA |
| Total Anions | 9.93 | 0.1 | 0.010 | meq/L | 1.000 | b | 2320B | 210967 | 09/13/17 03:00 | 2320B | 213806-MT201 | 09/13/17-13:23AMB |
| pH | 6.65 | -- | 0.010 | units | 1 | | 4500-H B | 211258 | 09/12/17 09:00 | 4500HB | 214086-CL000 | 09/12/17-09:00MP/RS |
| Specific Conductance | 1020 | 1 | 0.16 | umhos/cm | 1 | b | 2510B | 210968 | 09/13/17 08:50 | 2510B | 213728-EC205 | 09/13/17-11:22JMG |
| Total Dissolved Solids | 604 | 40 | 5.8 | mg/L | 1 | | 2540CE | 211058 | 09/14/17 12:40 | 2540C | 213885-WT219 | 09/15/17-05:25AMB |
| MBAS (foaming agents) | 0.0243 | 0.1 | 0.017 | mg/L | 1 | J | 5540C | 211108 | 09/13/17 10:45 | 5540C | 213905-UV208 | 09/13/17-18:45jba |
| Aggressiveness Index | 11.1 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/12/17 09:00 | 4500HB | 214086-CL000 | 09/12/17-09:00MP/RS |
| Langelier Index (20°C) | -0.7 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/12/17 09:00 | 4500HB | 214086-CL000 | 09/12/17-09:00MP/RS |
| Nitrate Nitrogen | 16.4 | 0.1 | 0.00080 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:42MCA |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | 4.82 | 0.4 | 0.000050 | mg/L | 40 | hP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214973-IX202 | 10/04/17-12:45AC |
| Antimony | 0.000601 | 0.001 | 0.000044 | mg/L | 1 | JhP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Arsenic | 0.00660 | 0.002 | 0.000047 | mg/L | 1 | | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Barium | 0.0400 | 0.0002 | 0.000026 | mg/L | 1 | hP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Beryllium | 0.0000640 | 0.0002 | 0.000043 | mg/L | 1 | J | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Cadmium | 0.000299 | 0.0002 | 0.000031 | mg/L | 1 | h | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Chromium | 0.0293 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Copper | 0.0102 | 0.001 | 0.000071 | mg/L | 1 | h | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Lead | 0.00270 | 0.0002 | 0.000013 | mg/L | 1 | hP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Mercury | 0.0000116 | 0.00001 | .0000021 | mg/L | 1 | | 245.1 | 211748 | 09/29/17 07:00 | 245.1 | 214696-HG204 | 09/29/17-13:16AC |
| Nickel | 0.0331 | 0.001 | 0.000040 | mg/L | 1 | h | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Selenium | 0.000882 | 0.002 | 0.00017 | mg/L | 1 | J | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Silver | ND | 0.00025 | 0.000022 | mg/L | 1 | U | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Thallium | ND | 0.0002 | 0.000018 | mg/L | 1 | UhP | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| Chromium III | 0.0288 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211712 | 09/29/17 03:00 | 200.8 | 214759-IX202 | 10/01/17-15:57AC |
| **Wet Chemistry** | | | | | | | | | | | | |
| BOD | 0.9 | 2 | 0.19 | mg/L | 1 | J | 5210B | 211011 | 09/13/17 18:39 | 5210B | 214028-O2205 | 09/18/17-13:53KMM |
| Chlorine, Total | ND | 0.1 | 0.017 | mg/L | 1 | UT | 4500ClG | 212128 | 10/09/17 12:00 | 4500ClG | 215175-UV205 | 10/09/17-12:51AMM |
| Chromium VI | 0.454 | 0.1 | 0.012 | ug/L | 1 | | 218.6 | 211232 | 09/18/17 14:30 | 218.6 | 214067-IC209 | 09/18/17-18:57JDD |

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **Wet Chemistry** | | | | | | | | | | | | |
| Color | 7.00 | 5 | 0.0 | units | 1 | | 2120B | 211115 | 09/14/17 07:15 | 2120B | 213913-JMG | 09/14/17-07:40jmg |
| Cyanide, Total | ND | 0.01 | 0.0010 | mg/L | 1 | U | 4500CNCE | 211253 | 09/20/17 11:26 | 4500CNCE | 214193-UV205 | 09/21/17-10:46AMM |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | Ulb | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-06:51AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-06:51AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | Ulb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:54AMB |
| Nitrogen, Total as Nitrogen | 16.4 | 0.5 | 0.32 | mg/L | 1 | lb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:54AMB |
| Nitrate + Nitrite as N | 16.4 | 0.1 | 0.0032 | mg/L | 1 | | 300.0 | 210989 | 09/12/17 18:30 | 300.0 | 213765-IC210 | 09/13/17-01:42MCA |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | Ulb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:54AMB |
| Odor | ND | 1 | 0.0 | TON | 1 | U | 2150B | 211901 | 09/13/17 08:05 | 2150B | 214903-JMG | 09/13/17-08:55jmg |
| Oil and Grease | ND | 3.3 | 1.5 | mg/L | 1.087 | UL | 1664A | 211254 | 09/19/17 11:32 | 1664A | 214156-WT215 | 09/20/17-11:28AMM |
| Phosphorus, Total | 5.38 | 0.5 | 0.020 | mg/L | 5 | | 4500-P B | 211220 | 09/18/17 16:03 | 4500PE | 214040-UV205 | 09/19/17-17:03SJN |
| Solids, Total Suspended (TSS) | 128 | 10 | 0.49 | mg/L | 10 | | 2540D | 211211 | 09/15/17 15:30 | 2540D | 214106-WT215 | 09/19/17-15:15jba |
| Turbidity | 6.60 | 0.2 | 0.048 | NTU | 1 | | 2130B | 211080 | 09/13/17 19:14 | 2130B | 213883-TR203 | 09/13/17-19:41jba |
| Perchlorate | ND | 2 | 0.29 | ug/L | 1 | U | 314.0 | 211062 | 09/13/17 19:50 | 314.0 | 213878-IC207 | 09/14/17-00:32MCA |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| P | Post Digestion Spike (PDS) not within Acceptance Range (AR). |
| T | Exceeded method-specific holding time. |

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : LAMW-5S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-009
Customer ID : 2-25173

Sampled On : September 12, 2017-09:00
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 100 | 70-130 | | % | 1 | | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-08:28SBL |
| DBCP | ND | 0.01 | 0.0057 | ug/L | 1 | U | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-08:28SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 1 | U | 504 | 210931 | 09/13/17 17:30 | 504.1 | 213791-GC216 | 09/14/17-08:28SBL |
| **EPA 505** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 92.9 | 70-130 | | % | 1 | | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Alachlor | ND | 0.2 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Aldrin | ND | 0.01 | 0.0040 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Chlordane | ND | 0.1 | 0.041 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Dieldrin | ND | 0.0098 | 0.0024 | ug/L | 0.98266 | Ub | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Endrin | ND | 0.01 | 0.0054 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Heptachlor | ND | 0.01 | 0.0026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Heptachlor Epoxide | ND | 0.01 | 0.0046 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Hexachlorobenzene | ND | 0.01 | 0.0031 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Hexachlorocyclopentadiene | ND | 0.1 | 0.027 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Lindane (Gamma BHC) | ND | 0.05 | 0.0049 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Methoxychlor | ND | 0.1 | 0.0098 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| Toxaphene | ND | 0.5 | 0.11 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| PCB 1016 | ND | 0.5 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| PCB 1221 | ND | 0.5 | 0.067 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| PCB 1232 | ND | 0.5 | 0.073 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 505** | | | | | | | | | | | | |
| PCB 1242 | ND | 0.5 | 0.14 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| PCB 1248 | ND | 0.5 | 0.15 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| PCB 1254 | ND | 0.5 | 0.026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| PCB 1260 | ND | 0.5 | 0.12 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-09:18SBL |
| **EPA 507** | | | | | | | | | | | | |
| Triphenylphosphate‡ | 79.8 | 70-130 | | % | 0.93897 | | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Alachlor | ND | 0.94 | 0.16 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Atrazine | ND | 0.94 | 0.14 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Bromacil | ND | 1.9 | 0.12 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Butachlor | ND | 0.94 | 0.21 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Diazinon | ND | 1.9 | 0.18 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Dimethoate | ND | 1.9 | 0.089 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Metolachlor | ND | 0.94 | 0.41 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Metribuzin | ND | 0.47 | 0.24 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Molinate | ND | 1.9 | 0.13 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Prometryne | ND | 1.9 | 0.095 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Propachlor | ND | 0.94 | 0.12 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Simazine | ND | 0.94 | 0.16 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Thiobencarb | ND | 0.94 | 0.15 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| Cyanazine | ND | 0.94 | 0.11 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/28/17-23:30SG |
| **EPA 515** | | | | | | | | | | | | |
| 2,4-DCAA‡ | 109 | 70-130 | | % | 1 | | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| Bentazon | ND | 2 | 0.45 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| 2,4-D | ND | 2 | 0.90 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| Dalapon | ND | 10 | 3.5 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| Dicamba | ND | 1 | 0.29 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| Dinoseb | ND | 1 | 0.49 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| Pentachlorophenol | ND | 0.2 | 0.10 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| Picloram | ND | 1 | 0.18 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| 2,4,5-TP (Silvex) | ND | 1 | 0.32 | ug/L | 1 | U | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 515** | | | | | | | | | | | | |
| 2,4,5-T | ND | 1 | 0.42 | ug/L | 1 | Uh | 515.3 | 211005 | 09/13/17 15:08 | 515.3 | 213912-GC215 | 09/16/17-02:43SG |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 79.7 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,2-Dichlorobenzene-d4‡ | 82.6 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Bromodichloromethane | 0.485 | 0.5 | 0.099 | ug/L | 1 | J | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Chloroform | 46.9 | 5 | 0.070 | ug/L | 10 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-20:27VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.091 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Trichloroethylene | ND | 0.5 | 0.060 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | Uh | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| Total Trihalomethanes | 47.4 | --- | --- | ug/L | 1 | J | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-20:53VRG |
| **EPA 531.1** | | | | | | | | | | | | |
| Aldicarb | ND | 3 | 0.15 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:06SG |
| Aldicarb Sulfone | ND | 2 | 0.31 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:06SG |
| Aldicarb Sulfoxide | ND | 3 | 0.68 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:06SG |
| Carbaryl | ND | 5 | 0.36 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:06SG |
| Carbofuran | ND | 5 | 1.1 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:06SG |
| 3-Hydroxycarbofuran | ND | 10 | 1.8 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:06SG |
| Methomyl | ND | 5 | 0.56 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:06SG |
| Oxamyl | ND | 5 | 1.4 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:06SG |
| **EPA 548.1** | | | | | | | | | | | | |
| Endothall | ND | 40 | 16 | ug/L | 1 | U | 548.1 | 211274 | 09/19/17 15:28 | 548.1 | 214244-GC220 | 09/22/17-06:22SG |
| **EPA 549** | | | | | | | | | | | | |
| Diquat | ND | 2 | 0.12 | ug/L | 1 | Uh | 549 | 211004 | 09/13/17 15:09 | 549.2 | 214155-LC204 | 09/19/17-15:37SG |
| **EPA 552.2** | | | | | | | | | | | | |
| 2,3-Dibromopropionic Acid‡ | 97.9 | 70-130 | | % | 1 | | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:51SBL |
| Bromoacetic Acid | ND | 1 | 0.55 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:51SBL |
| Chloroacetic Acid | ND | 2 | 0.28 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:51SBL |
| Dibromoacetic Acid | 0.551 | 1 | 0.25 | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:51SBL |
| Dichloroacetic Acid | ND | 1 | 0.57 | ug/L | 1 | U | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:51SBL |
| Trichloroacetic Acid | 0.898 | 1 | 0.39 | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:51SBL |
| Haloacetic acids (five) | 1.45 | --- | --- | ug/L | 1 | Jb | 552 | 211280 | 09/19/17 17:00 | 552.2 | 214191-GC219 | 09/21/17-07:51SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 608** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 28.7 | 15-143 | | % | 0.93458 | | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| Chlordane | ND | 1.9 | 0.025 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| PCB 1016 | ND | 0.47 | 0.13 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| PCB 1221 | ND | 0.47 | 0.19 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| PCB 1232 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| PCB 1242 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| PCB 1248 | ND | 0.47 | 0.056 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| PCB 1254 | ND | 0.47 | 0.086 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| PCB 1260 | ND | 0.47 | 0.11 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| Toxaphene | ND | 1.9 | 0.044 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:01SBL |
| **EPA 624** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 103 | 70-161 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Fluorobenzene‡ | 100 | 72-139 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Pentafluorobenzene‡ | 109 | 59-151 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Acetone | ND | 50 | 7.2 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Acrylonitrile | ND | 2 | 0.85 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Benzene | ND | 0.5 | 0.13 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Bromodichloromethane | 0.287 | 0.5 | 0.089 | ug/L | 1 | Jf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Bromoform | ND | 1 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Bromomethane | ND | 0.5 | 0.25 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Chloromethane | ND | 0.5 | 0.36 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 2-Butanone (MEK) | ND | 10 | 0.83 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Carbon Disulfide | ND | 5 | 0.26 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Chlorobenzene | ND | 0.5 | 0.036 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Chloroethane | ND | 0.5 | 0.37 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 2-Chloroethylvinyl ether | ND | 10 | 0.14 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Chloroform | 34.4 | 0.5 | 0.045 | ug/L | 1 | fl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Dibromochloromethane | ND | 0.5 | 0.078 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 624** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.026 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.11 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.063 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.044 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.49 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| trans-1,2-Dichloroethylene | ND | 1 | 0.12 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.094 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.10 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| trans-1,3-Dichloropropene | ND | 1 | 0.035 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Ethyl Benzene | ND | 0.5 | 0.046 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 2-Hexanone | ND | 5 | 0.46 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | 0.29 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Methylene Chloride | ND | 0.5 | 0.24 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.081 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Styrene | ND | 0.5 | 0.059 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.076 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Tetrachloroethylene | ND | 0.5 | 0.056 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Toluene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.053 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Trichloroethylene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Trichlorofluoromethane | ND | 1.5 | 0.15 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Vinyl Acetate | ND | 100 | 0.15 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Vinyl Chloride | ND | 0.5 | 0.17 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Xylenes m,p | ND | 0.5 | 0.084 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Xylenes o | ND | 0.5 | 0.062 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |
| Xylenes | ND | --- | --- | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:05VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 2-Fluorobiphenyl‡ | 55.9 | 29-98 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2-Fluorophenol‡ | 63.7 | 23-105 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Nitrobenzene-d5‡ | 58.7 | 23-104 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Phenol-d6‡ | 63.0 | 26-102 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| p-Terphenyl-d14‡ | 42.8 | 29-93 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2,4,6-Tribromophenol‡ | 70.0 | 34-116 | | % | 0.93458 | | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Acenaphthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Acenaphthylene | ND | 0.93 | 0.39 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Benzidine | ND | 9.3 | 1.8 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Benzo(a)anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Benzo(a)pyrene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Benzo(b)fluoranthene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Benzo(g,h,i)perylene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Benzo(k)fluoranthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| bis(2-Chloroethoxy)methane | ND | 0.93 | 0.56 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| bis(2-Chloroethyl)ether | ND | 0.93 | 0.52 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| bis(2-Chloroisopropyl)ether | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| bis(2-Ethylhexyl)phthalate | 0.499 | 1.9 | 0.41 | ug/L | 0.93458 | J | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 4-Bromophenylphenylether | ND | 0.93 | 0.46 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Butylbenzylphthalate | ND | 1.9 | 0.29 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 4-Chloro-3-methylphenol | ND | 1.9 | 0.86 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2-Chloronaphthalene | ND | 0.93 | 0.63 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2-Chlorophenol | ND | 1.9 | 1.0 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 4-Chlorophenylphenylether | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Chrysene | ND | 0.93 | 0.51 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Dibenzo(a,h)anthracene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 1,2-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 1,3-Dichlorobenzene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 1,4-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2,4-Dichlorophenol | ND | 1.9 | 0.79 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Diethylphthalate | ND | 0.93 | 0.34 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2,4-Dimethylphenol | ND | 1.9 | 0.76 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Dimethylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Di-n-butylphthalate | ND | 1.9 | 0.35 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 4,6-Dinitro-2-methylphenol | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2,4-Dinitrophenol | ND | 4.7 | 0.22 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2,4-Dinitrotoluene | ND | 0.93 | 0.49 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2,6-Dinitrotoluene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Di-n-octylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 1,2-Diphenylhydrazine | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Fluoranthene | ND | 0.93 | 0.44 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Fluorene | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Hexachlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Hexachlorobutadiene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Hexachlorocyclopentadiene | ND | 0.93 | 0.24 | ug/L | 0.93458 | Uh | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Hexachloroethane | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Indeno(1,2,3-c,d)pyrene | ND | 0.93 | 0.38 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Isophorone | ND | 0.93 | 0.41 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Naphthalene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Nitrobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 4-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| N-Nitrosodimethylamine | ND | 1.9 | 0.47 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| N-Nitrosodi-n-propylamine | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| N-Nitrosodiphenylamine | ND | 0.93 | 0.74 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Pentachlorophenol | ND | 1.9 | 0.91 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Phenanthrene | ND | 0.93 | 0.018 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Phenol | ND | 0.93 | 0.88 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| Pyrene | ND | 0.93 | 0.46 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| Pyridine | ND | 9.3 | 0.32 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 1,2,4-Trichlorobenzene | ND | 0.93 | 0.48 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2,4,6-Trichlorophenol | ND | 0.93 | 0.90 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| 2,4,5-Trichlorophenol | ND | 1.9 | 1.2 | ug/L | 0.93458 | U | 625 | 210973 | 09/13/17 13:30 | 625 | 214261-GM213 | 09/21/17-04:02SBL |
| **EPA 625 Pest** | | | | | | | | | | | | |
| Aldrin | ND | 4.7 | 0.91 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Alpha BHC | ND | 4.7 | 1.3 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Beta BHC | ND | 4.7 | 1.5 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Delta BHC | ND | 4.7 | 1.8 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Lindane (Gamma BHC) | ND | 4.7 | 3.7 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| alpha-Chlordane | ND | 4.7 | 1.8 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| gamma-Chlordane | ND | 4.7 | 1.3 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| o,p - DDD | ND | 4.7 | 0.54 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| o,p - DDE | ND | 4.7 | 0.35 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| o,p - DDT | ND | 4.7 | 0.95 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| p,p'-DDD | ND | 4.7 | 1.3 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| p,p'-DDE | ND | 4.7 | 1.3 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| p,p'-DDT | ND | 4.7 | 4.1 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Dieldrin | ND | 4.7 | 1.5 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Endosulfan I | ND | 4.7 | 2.1 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Endosulfan II | ND | 4.7 | 2.1 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Endosulfan Sulfate | ND | 4.7 | 1.2 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Endrin | ND | 4.7 | 1.3 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Endrin Aldehyde | ND | 4.7 | 1.9 | ng/L | 0.93023 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Endrin Ketone | ND | 4.7 | 1.8 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Heptachlor | ND | 4.7 | 1.8 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Heptachlor Epoxide | ND | 4.7 | 0.77 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Methoxychlor | ND | 4.7 | 0.46 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| cis_Nonachlor | ND | 47 | 1.6 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 625 Pest** | | | | | | | | | | | | |
| trans-Nonachlor | ND | 47 | 1.2 | ng/L | 0.93023 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| Tetrachloro-m-xylene‡ | 74.7 | 26-90 | | % | 0.93023 | | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-02:51SG |
| **TOC** | | | | | | | | | | | | |
| TOC | 1.62 | 0.5 | 0.15 | mg/L | 1 | | 5310C | 211306 | 09/20/17 10:39 | 5310C | 214222-TC203 | 09/20/17-14:55AMM |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| H | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| f | MS/MSD QC requirement met by BS/BSD due to limited sample volume. |

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : LAMW-5S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-009
Customer ID : 2-25173

Sampled On : September 12, 2017-09:00
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Radio

| Constituent | Result ± Error | MDA | Units | MCL/AL | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Radio Chemistry** | | | | | | | | | | | |
| Gross Alpha | 0.227 ± 1.22 | 1.93 | pCi/L | 15 | | 900.0 | 211467 | 09/25/17 09:40 | 900.0 | 214306-GP220 | 09/26/17-07:50aat |
| Gross Beta | 3.69 ± 1.66 | 2.27 | pCi/L | 50 | | 900.0 | 211467 | 09/25/17 09:40 | 900.0 | 214306-GP220 | 09/26/17-07:50aat |
| Total Alpha Radium (226) | 0.141 ± 0.142 | 0.363 | pCi/L | 3 | L | 903.0 | 211287 | 09/19/17 18:30 | 903.0 | 214502-GP215 | 09/26/17-13:45emv |
| Tritium | 205 ± 264 | 434 | pCi/L | 20000 | | 906.0 | 211140 | 09/16/17 05:47 | 906.0 | 213990-LS202 | 09/16/17-21:57elc |
| Uranium | 0.000 ± 0.673 | 0.470 | pCi/L | 20 | | 908.0 | 211488 | 09/25/17 11:02 | 908.0 | 214757-GP216 | 09/29/17-13:50aat |
| Ra 228 | 0.002 ± 0.567 | 0.506 | pCi/L | 2 | | Ra - 05 | 211450 | 10/01/17 13:45 | Ra - 05 | 215051-GP218 | 10/03/17-17:50emv |

**DQF Flags Definition:**
L The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-7B
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711091-014
Customer ID : 2-25173

Sampled On : September 12, 2017-13:45
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 1.20 | 0.1 | 0.032 | mg/L | 1 | | 4500NO3F | 210988 | 09/13/17 11:45 | 4500NO3F | 213823-FI207 | 09/13/17-13:29JDD |
| Nitrite Nitrogen | 0.0600 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 211006 | 09/13/17 11:45 | 4500NO3F | 213776-FI207 | 09/13/17-13:26JDD |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-06:13AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-06:13AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | Ulb | 351.2 | 211401 | 09/22/17 06:36 | EPA351.2 | 214442-FI206 | 09/26/17-05:56AMB |
| Phosphorus, Total | 0.550 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211220 | 09/18/17 16:03 | 4500PE | 214040-UV205 | 09/19/17-17:04SJN |
| Total Dissolved Solids (TFR) | 3580 | 34 | 5.8 | mg/L | 1.7 | | 2540CE | 211058 | 09/14/17 12:40 | 2540C | 213885-WT219 | 09/15/17-05:15AMB |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dibromoethane(EDB) | 504 | 09/13/17:210931SBL | Blank | ug/L | | ND | <0.02 | |
| | | | LCS | ug/L | 0.2484 | 97.8 % | 70-130 | |
| | | | LCS | ug/L | 0.2505 | 97.2 % | 70-130 | |
| | | | MS | ug/L | 0.2482 | 105 % | 70-130 | |
| | | (STK1751587-001) | MSD | ug/L | 0.2496 | 96.4 % | 70-130 | |
| | | | MSRPD | ug/L | 0.5859 | 7.5% | ≤30 | |
| | | | QMDL | ug/L | 0.01999 | 124 % | 60-140 | |
| 1,3-Dibromopropane | 504 | 09/13/17:210931SBL | Blank | ug/L | 0.5892 | 97.9 % | 70-130 | |
| | | | LCS | ug/L | 0.5830 | 101 % | 70-130 | |
| | | | LCS | ug/L | 0.5880 | 94.0 % | 70-130 | |
| | | | MS | ug/L | 0.5827 | 93.0 % | 70-130 | |
| | | (STK1751587-001) | MSD | ug/L | 0.5859 | 96.2 % | 70-130 | |
| | | | MSRPD | ug/L | 0.5859 | 3.9% | ≤30 | |
| | | | QMDL | ug/L | 0.5908 | 102 % | 70-130 | |
| DBCP | 504 | 09/13/17:210931SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.2484 | 106 % | 70-130 | |
| | | | LCS | ug/L | 0.2505 | 98.4 % | 70-130 | |
| | | | MS | ug/L | 0.2482 | 98.1 % | 70-130 | |
| | | (STK1751587-001) | MSD | ug/L | 0.2496 | 104 % | 70-130 | |
| | | | MSRPD | ug/L | 0.5859 | 6.3% | ≤30 | |
| | | | QMDL | ug/L | 0.01999 | 67.7 % | 60-140 | |
| 13DBP | 504.1 | 09/14/17:213791SBL | CCV | ug/L | 9.975 | 90.4 % | 70-130 | |
| | | | CCV | ug/L | 7.481 | 79.3 % | 70-130 | |
| | | | CCV | ug/L | 9.975 | 92.9 % | 70-130 | |
| DBCP | 504.1 | 09/14/17:213791SBL | CCV | ug/L | 5.000 | 97.0 % | 70-130 | |
| | | | CCV | ug/L | 2.000 | 75.5 % | 70-130 | |
| | | | CCV | ug/L | 5.000 | 101 % | 70-130 | |
| EDB | 504.1 | 09/14/17:213791SBL | CCV | ug/L | 5.000 | 95.2 % | 70-130 | |
| | | | CCV | ug/L | 2.000 | 71.5 % | 70-130 | |
| | | | CCV | ug/L | 5.000 | 96.8 % | 70-130 | |
| Alachlor | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 5.824 | 89.8 % | 84-135 | |
| | | | BS | ug/L | 5.802 | 91.9 % | 73-137 | |
| | | | BSD | ug/L | 5.754 | 87.8 % | 73-137 | |
| | | | BSRPD | ug/L | 1.152 | 5.5% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 150.0 | 94.5 % | 70-130 | |
| | | | CCV | ug/L | 100.0 | 86.3 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 97.9 % | 70-130 | |
| Aldrin | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.075 | |
| | | | LCS | ug/L | 0.5824 | 85.3 % | 69-134 | |
| | | | BS | ug/L | 0.5802 | 85.4 % | 21-166 | |
| | | | BSD | ug/L | 0.5754 | 84.2 % | 21-166 | |
| | | | BSRPD | ug/L | 1.152 | 2.2% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 15.00 | 92.0 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 81.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 94.2 % | 70-130 | |
| Chlordane | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.1 | |
| Dieldrin | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 85.3 % | 82-131 | |
| | | | BS | ug/L | 0.5802 | 83.2 % | 66-141 | |
| | | | BSD | ug/L | 0.5754 | 80.4 % | 66-141 | |
| | | | BSRPD | ug/L | 1.152 | 4.3% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 15.00 | 86.8 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 78.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 90.7 % | 70-130 | |



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Visalia, CA 93291
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October 11, 2017 Lab ID : SP 1711091
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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Endrin | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 84.2 % | 83-120 | |
| | | | BS | ug/L | 0.5802 | 81.1 % | 58-134 | |
| | | | BSD | ug/L | 0.5754 | 72.9 % | 58-134 | |
| | | | BSRPD | ug/L | 1.152 | 11.4% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 15.00 | 84.8 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 77.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 91.5 % | 70-130 | |
| Heptachlor | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 85.0 % | 71-131 | |
| | | | BS | ug/L | 0.5802 | 86.2 % | 73-135 | |
| | | | BSD | ug/L | 0.5754 | 83.6 % | 73-135 | |
| | | | BSRPD | ug/L | 1.152 | 3.8% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 15.00 | 92.9 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 80.9 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 94.9 % | 70-130 | |
| Heptachlor Epoxide | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 77.1 % | 75-129 | |
| | | | BS | ug/L | 0.5802 | 75.5 % | 65-134 | |
| | | | BSD | ug/L | 0.5754 | 72.5 % | 65-134 | |
| | | | BSRPD | ug/L | 1.152 | 5.0% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 15.00 | 80.1 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 70.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 82.5 % | 70-130 | |
| Hexachlorobenzene | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 83.5 % | 69-134 | |
| | | | BS | ug/L | 0.5802 | 85.2 % | 71-136 | |
| | | | BSD | ug/L | 0.5754 | 83.8 % | 71-136 | |
| | | | BSRPD | ug/L | 1.152 | 2.4% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 15.00 | 90.5 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 81.3 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 93.8 % | 70-130 | |
| Hexachlorocyclopentadiene | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 0.5824 | 87.9 % | 48-144 | |
| | | | BS | ug/L | 0.5802 | 92.4 % | 60-152 | |
| | | | BSD | ug/L | 0.5754 | 90.2 % | 60-152 | |
| | | | BSRPD | ug/L | 1.152 | 3.2% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 15.00 | 101 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 89.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 109 % | 70-130 | |
| Lindane | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5824 | 109 % | 76-131 | |
| | | | BS | ug/L | 0.5802 | 109 % | 72-132 | |
| | | | BSD | ug/L | 0.5754 | 106 % | 72-132 | |
| | | | BSRPD | ug/L | 1.152 | 4.2% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 15.00 | 114 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 99.6 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 116 % | 70-130 | |
| Methoxychlor | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 2.912 | 82.7 % | 73-137 | |
| | | | BS | ug/L | 2.901 | 82.8 % | 59-145 | |
| | | | BSD | ug/L | 2.877 | 71.5 % | 59-145 | |
| | | | BSRPD | ug/L | 1.152 | 15.5% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 75.00 | 85.5 % | 70-130 | |

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Methoxychlor | 505 | 09/14/17:213798SBL | CCV | ug/L | 50.00 | 80.2 % | 70-130 | |
| | | | CCV | ug/L | 75.00 | 96.9 % | 70-130 | |
| PCB 1016/1242 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1221 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1232 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1242 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1248 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1254 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1260 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| Tetrachloro-m-xylene | 505 | 09/13/17:211014SBL | Blank | ug/L | 1.212 | 83.8 % | 70-130 | |
| | | | LCS | ug/L | 1.166 | 97.0 % | 70-130 | |
| | | | BS | ug/L | 1.162 | 100 % | N/A | |
| | | | BSD | ug/L | 1.152 | 104 % | N/A | |
| | | | BSRPD | ug/L | 1.152 | 2.5% | ≤30.0 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 20.02 | 160 % | 70-130 | 362 |
| | | | CCV | ug/L | 10.01 | 206 % | 70-130 | 362 |
| | | | CCV | ug/L | 20.02 | 164 % | 70-130 | 362 |
| Toxaphene | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| Alachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 91.8 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 98.4 % | 47-147 | |
| | | | BSD | ug/L | 2.500 | 110 % | 47-147 | |
| | | | BSRPD | ug/L | 12.50 | 0.29 | ≤1 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 95.4 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 90.4 % | 80-120 | |
| Atrazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 95.9 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 101 % | 52-154 | |
| | | | BSD | ug/L | 2.500 | 94.5 % | 52-154 | |
| | | | BSRPD | ug/L | 12.50 | 0.17 | ≤0.5 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 91.7 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 89.0 % | 80-120 | |
| Bromacil | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 99.5 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 38-170 | |
| | | | BSD | ug/L | 2.500 | 81.6 % | 38-170 | |
| | | | BSRPD | ug/L | 12.50 | 0.79 | ≤2 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 98.2 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| Butachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.38 | |
| | | | LCS | ug/L | 2.500 | 84.2 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 96.3 % | 37-150 | |
| | | | BSD | ug/L | 2.500 | 93.5 % | 37-150 | |
| | | | BSRPD | ug/L | 12.50 | 2.9% | ≤53.8 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 89.4 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 94.8 % | 80-120 | |
| Cyanazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 97.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 41-152 | |
| | | | BSD | ug/L | 2.500 | 90.5 % | 41-152 | |
| | | | BSRPD | ug/L | 12.50 | 21.9% | ≤30 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 100 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 114 % | 80-120 | |
| Diazinon | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |

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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Diazinon | 507 | 09/26/17:211540caa | LCS | ug/L | 2.500 | 83.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 89.1 % | 56-128 | |
| | | | BSD | ug/L | 2.500 | 94.0 % | 56-128 | |
| | | | BSRPD | ug/L | 12.50 | 0.12 | ≤2 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 99.7 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 93.3 % | 80-120 | |
| Dimethoate | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 83.1 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 90.8 % | 49-168 | |
| | | | BSD | ug/L | 2.500 | 81.0 % | 49-168 | |
| | | | BSRPD | ug/L | 12.50 | 0.25 | ≤2 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 102 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| EPN/Triphenylphosphate | 507 | 09/26/17:211540caa | Blank | ug/L | 12.50 | 75.2 % | 70-130 | |
| | | | LCS | ug/L | 12.50 | 73.0 % | 70-130 | |
| | | | BS | ug/L | 12.50 | 92.2 % | 70-130 | |
| | | | BSD | ug/L | 12.50 | 74.4 % | 70-130 | |
| | | | BSRPD | ug/L | 12.50 | 21.3% | ≤30 | |
| Metolachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 94.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 101 % | 45-154 | |
| | | | BSD | ug/L | 2.500 | 89.5 % | 45-154 | |
| | | | BSRPD | ug/L | 12.50 | 0.28 | ≤1 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 95.8 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| Metribuzin | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 81.6 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 87.3 % | 30-169 | |
| | | | BSD | ug/L | 2.500 | 85.3 % | 30-169 | |
| | | | BSRPD | ug/L | 12.50 | 0.049 | ≤0.5 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 93.3 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 91.6 % | 80-120 | |
| Molinate | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 107 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 19-191 | |
| | | | BSD | ug/L | 2.500 | 108 % | 19-191 | |
| | | | BSRPD | ug/L | 12.50 | 0.12 | ≤2 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 92.6 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 84.7 % | 80-120 | |
| Prometryne | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 91.4 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 99.8 % | 44-152 | |
| | | | BSD | ug/L | 2.500 | 84.0 % | 44-152 | |
| | | | BSRPD | ug/L | 12.50 | 0.39 | ≤2 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 90.8 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 95.2 % | 80-120 | |
| Propachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 95.2 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 96.5 % | 36-179 | |
| | | | BSD | ug/L | 2.500 | 98.7 % | 36-179 | |
| | | | BSRPD | ug/L | 12.50 | 0.056 | ≤0.5 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 86.3 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 88.8 % | 80-120 | |
| Simazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |

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## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Simazine | 507 | 09/26/17:211540caa | LCS | ug/L | 2.500 | 99.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 105 % | 49-167 | |
| | | | BSD | ug/L | 2.500 | 89.7 % | 49-167 | |
| | | | BSRPD | ug/L | 12.50 | 0.38 | ≤0.5 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 96.2 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 100 % | 80-120 | |
| Thiobencarb | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 94.9 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 95.4 % | 50-148 | |
| | | | BSD | ug/L | 2.500 | 81.9 % | 50-148 | |
| | | | BSRPD | ug/L | 12.50 | 0.34 | ≤1 | |
| | 507 | 09/28/17:214644SG | CCV | ug/L | 1000 | 82.8 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 85.6 % | 80-120 | |
| Triphenylphosphate | 507 | 09/28/17:214644SG | CCV | ug/L | 7501 | 109 % | 80-120 | |
| | | | CCV | ug/L | 2500 | 115 % | 80-120 | |
| 2,4,5-T | 515.3 | 09/16/17:213912SG | CCV | ug/L | 80.00 | 115 % | 70-130 | |
| | | | CCV | ug/L | 40.00 | 110 % | 70-130 | |
| 2,4,5-TP (Silvex) | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 85.2 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 94.7 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 4.000 | 118 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.95 | ≤1 | |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 80.00 | 96.7 % | 70-130 | |
| | | | CCV | ug/L | 40.00 | 80.8 % | 70-130 | |
| 2,4,5-Trichlorophenoxyacetic A | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 109 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 119 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 4.000 | 145 % | 70-130 | 435 |
| | | | MSRPD | ug/L | 20.00 | 19.5% | ≤30.0 | |
| 2,4-D | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 8.000 | 112 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 121 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 8.000 | 145 % | 70-130 | 435 |
| | | | MSRPD | ug/L | 20.00 | 18.5% | ≤30.0 | |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 160.0 | 112 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 74.6 % | 70-130 | |
| 2,4-DCAA | 515.3 | 09/13/17:211005SG | Blank | ug/L | 20.00 | 105 % | 70-130 | |
| | | | LCS | ug/L | 20.00 | 101 % | 70-130 | |
| | | | MS | ug/L | 20.00 | 109 % | N/A | |
| | | (STK1751650-001) | MSD | ug/L | 20.00 | 134 % | N/A | |
| | | | MSRPD | ug/L | 20.00 | 19.8% | ≤30. | |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 400.0 | 114 % | 70-130 | |
| | | | CCV | ug/L | 200.0 | 93.0 % | 70-130 | |
| Bentazon | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 8.000 | 91.7 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 101 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 8.000 | 125 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 2.0 | ≤2 | |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 160.0 | 104 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 87.2 % | 70-130 | |
| Dalapon | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 52.00 | 95.7 % | 70-130 | |
| | | | MS | ug/L | 52.00 | 110 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 52.00 | 71.7 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Dalapon | 515.3 | 09/13/17:211005SG | MSRPD | ug/L | 20.00 | 20 | ≤10 | 435 |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 1040 | 89.4 % | 70-130 | |
| | | | CCV | ug/L | 520.0 | 80.8 % | 70-130 | |
| Dicamba | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 84.3 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 94.0 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 4.000 | 114 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.82 | ≤1 | |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 80.00 | 96.7 % | 70-130 | |
| | | | CCV | ug/L | 40.00 | 80.3 % | 70-130 | |
| Dinoseb | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 8.000 | 108 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 117 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 8.000 | 143 % | 70-130 | 435 |
| | | | MSRPD | ug/L | 20.00 | 20.2% | ≤30.0 | |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 160.0 | 113 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 106 % | 70-130 | |
| Pentachlorophenol | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 4.000 | 96.4 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 107 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 4.000 | 131 % | 70-130 | 435 |
| | | | MSRPD | ug/L | 20.00 | 19.9% | ≤30.0 | |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 80.00 | 105 % | 70-130 | |
| | | | CCV | ug/L | 40.00 | 88.8 % | 70-130 | |
| Picloram | 515.3 | 09/13/17:211005SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 107 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 111 % | 70-130 | |
| | | (STK1751650-001) | MSD | ug/L | 4.000 | 160 % | 70-130 | 435 |
| | | | MSRPD | ug/L | 20.00 | 35.9% | ≤30.0 | 435 |
| | 515.3 | 09/16/17:213912SG | CCV | ug/L | 80.00 | 121 % | 70-130 | |
| | | | CCV | ug/L | 40.00 | 124 % | 70-130 | |
| 1,1,1,2-Tetrachloroethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 12-178 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 125 % | 12-178 | |
| | | | MSRPD | ug/L | 10.00 | 4.5% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 12-178 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 123 % | 12-178 | |
| | | | MSRPD | ug/L | 10.00 | 9.8% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| 1,1,1-Trichloroethane(TCA) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 139 % | 9-176 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 146 % | 9-176 | |
| | | | MSRPD | ug/L | 10.00 | 4.9% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 9-176 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 154 % | 9-176 | |
| | | | MSRPD | ug/L | 10.00 | 15.6% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| 1,1,2,2-Tetrachloroethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 23-180 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 133 % | 23-180 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 524.2 | 09/14/17:211189VRG | MSRPD | ug/L | 10.00 | 2.8% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 23-180 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 139 % | 23-180 | |
| | | | MSRPD | ug/L | 10.00 | 10.6% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 131 % | 70-130 | 360 |
| 1,1,2-Trichloroethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 25-173 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 123 % | 25-173 | |
| | | | MSRPD | ug/L | 10.00 | 4.0% | ≤29 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 118 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 25-173 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 25-173 | |
| | | | MSRPD | ug/L | 10.00 | 12.7% | ≤29 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 121 % | 70-130 | |
| 1,1-Dichloroethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 15-161 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 137 % | 15-161 | |
| | | | MSRPD | ug/L | 10.00 | 6.2% | ≤36 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 15-161 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 140 % | 15-161 | |
| | | | MSRPD | ug/L | 10.00 | 13.4% | ≤36 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| 1,1-Dichloroethylene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 139 % | 0-162 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 145 % | 0-162 | |
| | | | MSRPD | ug/L | 10.00 | 3.9% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 0-162 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 153 % | 0-162 | |
| | | | MSRPD | ug/L | 10.00 | 21.0% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| 1,1-Dichloropropene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 0-171 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 133 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 7.0% | ≤31 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 94.0 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 0-171 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 138 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 21.0% | ≤31 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| 1,2,3-Trichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 14-181 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 119 % | 14-181 | |
| | | | MSRPD | ug/L | 10.00 | 0.1% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 101 % | 14-181 | |

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2,3-Trichlorobenzene | 524.2 | (SP 1711602-001) | MSD | ug/L | 10.00 | 120 % | 14-181 | |
| | | | MSRPD | ug/L | 10.00 | 17.0% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| 1,2,4-Trichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 103 % | 10-180 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 101 % | 10-180 | |
| | | | MSRPD | ug/L | 10.00 | 2.0% | ≤32 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 92.6 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 87.7 % | 10-180 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 106 % | 10-180 | |
| | | | MSRPD | ug/L | 10.00 | 19.0% | ≤32 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 87.1 % | 70-130 | |
| 1,2,4-Trimethylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 2-192 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 132 % | 2-192 | |
| | | | MSRPD | ug/L | 10.00 | 3.3% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 2-192 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 2-192 | |
| | | | MSRPD | ug/L | 10.00 | 19.1% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| 1,2-Dichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 13-191 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 126 % | 13-191 | |
| | | | MSRPD | ug/L | 10.00 | 1.0% | ≤35 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 13-191 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 13-191 | |
| | | | MSRPD | ug/L | 10.00 | 12.3% | ≤35 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| 1,2-Dichlorobenzene-d4 | 524.2 | 09/14/17:211189VRG | Blank | ug/L | 10.00 | 87.8 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 109 % | 70-130 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 106 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 2.5% | ≤20 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | 10.00 | 94.9 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 113 % | 70-130 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 112 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 0.7% | ≤20 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| 1,2-Dichloroethane (EDC) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 18-162 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 129 % | 18-162 | |
| | | | MSRPD | ug/L | 10.00 | 4.3% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 18-162 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 18-162 | |
| | | | MSRPD | ug/L | 10.00 | 9.9% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 118 % | 70-130 | |
| 1,2-Dichloropropane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dichloropropane | 524.2 | | MS | ug/L | 10.00 | 121 % | 10-163 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 128 % | 10-163 | |
| | | | MSRPD | ug/L | 10.00 | 6.1% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 10-163 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 134 % | 10-163 | |
| | | | MSRPD | ug/L | 10.00 | 14.5% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| 1,3,5-Trimethylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 0-210 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 131 % | 0-210 | |
| | | | MSRPD | ug/L | 10.00 | 4.1% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 0-210 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 129 % | 0-210 | |
| | | | MSRPD | ug/L | 10.00 | 18.4% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| 1,3-Dichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 17-182 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 127 % | 17-182 | |
| | | | MSRPD | ug/L | 10.00 | 2.9% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 17-182 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 130 % | 17-182 | |
| | | | MSRPD | ug/L | 10.00 | 14.9% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| 1,3-Dichloropropane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 0-178 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 127 % | 0-178 | |
| | | | MSRPD | ug/L | 10.00 | 2.2% | ≤29 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 0-178 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 130 % | 0-178 | |
| | | | MSRPD | ug/L | 10.00 | 13.6% | ≤29 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| 1,4-Dichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 19-183 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 133 % | 19-183 | |
| | | | MSRPD | ug/L | 10.00 | 0.4% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 120 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 19-183 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 137 % | 19-183 | |
| | | | MSRPD | ug/L | 10.00 | 12.6% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 120 % | 70-130 | |
| 2,2-Dichloropropane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 0-288 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 140 % | 0-288 | |
| | | | MSRPD | ug/L | 10.00 | 7.5% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,2-Dichloropropane | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 0-288 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 147 % | 0-288 | |
| | | | MSRPD | ug/L | 10.00 | 18.0% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| 2-Chlorotoluene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 17-180 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 131 % | 17-180 | |
| | | | MSRPD | ug/L | 10.00 | 4.6% | ≤38 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 17-180 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 134 % | 17-180 | |
| | | | MSRPD | ug/L | 10.00 | 14.2% | ≤38 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| 4-Bromofluorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | 10.00 | 87.1 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 108 % | 70-130 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 108 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 0.3% | ≤30 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | 10.00 | 92.4 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 115 % | 70-130 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 114 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 0.5% | ≤30 | |
| 4-Bromofluorobenzene (BFB) | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| 4-Chlorotoluene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 11-177 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 135 % | 11-177 | |
| | | | MSRPD | ug/L | 10.00 | 4.4% | ≤41 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 11-177 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 137 % | 11-177 | |
| | | | MSRPD | ug/L | 10.00 | 15.3% | ≤41 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| Benzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 12-158 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 133 % | 12-158 | |
| | | | MSRPD | ug/L | 10.00 | 7.5% | ≤36 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 12-158 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 135 % | 12-158 | |
| | | | MSRPD | ug/L | 10.00 | 15.9% | ≤36 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| Bromobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 23-177 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 120 % | 23-177 | |
| | | | MSRPD | ug/L | 10.00 | 3.2% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 106 % | 23-177 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 121 % | 23-177 | |
| | | | MSRPD | ug/L | 10.00 | 13.3% | ≤40 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Bromobenzene | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| Bromochloromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 4-186 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 125 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 7.2% | ≤30 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 4-186 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 126 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 11.0% | ≤30 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| Bromodichloromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 11-164 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 143 % | 11-164 | |
| | | | MSRPD | ug/L | 10.00 | 4.1% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 11-164 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 143 % | 11-164 | |
| | | | MSRPD | ug/L | 10.00 | 14.5% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 114 % | 70-130 | |
| Bromoform | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 0-235 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 125 % | 0-235 | |
| | | | MSRPD | ug/L | 10.00 | 0.6% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 82.9 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 96.7 % | 0-235 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 118 % | 0-235 | |
| | | | MSRPD | ug/L | 10.00 | 19.5% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 82.1 % | 70-130 | |
| Bromomethane (Methyl Bromide) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 46.3 % | 0-196 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 53.1 % | 0-196 | |
| | | | MSRPD | ug/L | 10.00 | 13.7% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 176 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 48.5 % | 0-196 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 57.1 % | 0-196 | |
| | | | MSRPD | ug/L | 10.00 | 16.2% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 170 % | 70-130 | 360 |
| Carbon Tetrachloride | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 5-175 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 142 % | 5-175 | |
| | | | MSRPD | ug/L | 10.00 | 3.2% | ≤32 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 5-175 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 147 % | 5-175 | |
| | | | MSRPD | ug/L | 10.00 | 15.8% | ≤32 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| Chlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 14-175 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 122 % | 14-175 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Chlorobenzene | 524.2 | 09/14/17:211189VRG | MSRPD | ug/L | 10.00 | 6.8% | ≤35 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 98.1 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 106 % | 14-175 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 121 % | 14-175 | |
| | | | MSRPD | ug/L | 10.00 | 13.4% | ≤35 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| Chloroethane (Ethyl Chloride) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 51.1 % | 0-184 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 58.7 % | 0-184 | |
| | | | MSRPD | ug/L | 10.00 | 14.0% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 181 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 53.2 % | 0-184 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 63.6 % | 0-184 | |
| | | | MSRPD | ug/L | 10.00 | 17.9% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 177 % | 70-130 | 360 |
| Chloroform | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 134 % | 15-163 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 140 % | 15-163 | |
| | | | MSRPD | ug/L | 10.00 | 4.3% | ≤36 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 15-163 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 146 % | 15-163 | |
| | | | MSRPD | ug/L | 10.00 | 14.2% | ≤36 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| Chloromethane(Methyl Chloride) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 35.8 % | 0-224 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 41.1 % | 0-224 | |
| | | | MSRPD | ug/L | 10.00 | 13.8% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 133 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 42.5 % | 0-224 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 52.7 % | 0-224 | |
| | | | MSRPD | ug/L | 10.00 | 21.5% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 159 % | 70-130 | 360 |
| cis-1,2-Dichloroethylene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 16-172 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 128 % | 16-172 | |
| | | | MSRPD | ug/L | 10.00 | 6.9% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 16-172 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 16-172 | |
| | | | MSRPD | ug/L | 10.00 | 14.4% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| cis-1,3-Dichloropropene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.550 | 120 % | 5-158 | |
| | | (CC 1783489-001) | MSD | ug/L | 9.550 | 127 % | 5-158 | |
| | | | MSRPD | ug/L | 10.00 | 5.2% | ≤38 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 9.550 | 106 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| cis-1,3-Dichloropropene | 524.2 | | MS | ug/L | 9.550 | 99.9 % | 5-158 | |
| | | (SP 1711602-001) | MSD | ug/L | 9.550 | 123 % | 5-158 | |
| | | | MSRPD | ug/L | 10.00 | 21.0% | ≤38 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 9.550 | 103 % | 70-130 | |
| Dibromochloromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 1-180 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 122 % | 1-180 | |
| | | | MSRPD | ug/L | 10.00 | 3.7% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 85.4 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 100 % | 1-180 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 116 % | 1-180 | |
| | | | MSRPD | ug/L | 10.00 | 15.2% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 88.3 % | 70-130 | |
| Dibromomethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 11-168 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 116 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 0.5% | ≤28 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 117 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 11-168 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 127 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 12.1% | ≤28 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| Dichlorodifluoromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 26.3 % | 0-334 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 31.0 % | 0-334 | |
| | | | MSRPD | ug/L | 10.00 | 16.4% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 89.7 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 46.8 % | 0-334 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 63.6 % | 0-334 | |
| | | | MSRPD | ug/L | 10.00 | 30.4% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 215 % | 70-130 | 360 |
| Dichloromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 20-157 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 132 % | 20-157 | |
| | | | MSRPD | ug/L | 10.00 | 4.7% | ≤36 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 20-157 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 140 % | 20-157 | |
| | | | MSRPD | ug/L | 10.00 | 15.9% | ≤36 | |
| Ethyl tert-Butyl Ether | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 121 % | 11-165 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 126 % | 11-165 | |
| | | | MSRPD | ug/L | 10.00 | 0.54 | ≤3 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 107 % | 11-165 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 126 % | 11-165 | |
| | | | MSRPD | ug/L | 10.00 | 1.9 | ≤3 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| Ethylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 9-174 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Ethylbenzene | 524.2 | (CC 1783489-001) | MSD | ug/L | 10.00 | 120 % | 9-174 | |
| | | | MSRPD | ug/L | 10.00 | 6.8% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 91.5 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 99.5 % | 9-174 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 120 % | 9-174 | |
| | | | MSRPD | ug/L | 10.00 | 18.9% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 95.6 % | 70-130 | |
| Freon-11 | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 44.1 % | 0-232 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 50.8 % | 0-232 | |
| | | | MSRPD | ug/L | 10.00 | 14.0% | ≤35 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 44.9 % | 0-232 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 57.3 % | 0-232 | |
| | | | MSRPD | ug/L | 10.00 | 24.3% | ≤35 | |
| Hexachlorobutadiene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 14-200 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 128 % | 14-200 | |
| | | | MSRPD | ug/L | 10.00 | 4.0% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 98.1 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 14-200 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 129 % | 14-200 | |
| | | | MSRPD | ug/L | 10.00 | 17.8% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| Isopropyl Ether | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 135 % | 8-165 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 143 % | 8-165 | |
| | | | MSRPD | ug/L | 10.00 | 0.85 | ≤3 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 125 % | 8-165 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 146 % | 8-165 | |
| | | | MSRPD | ug/L | 10.00 | 2.1 | ≤3 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| Isopropylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 110 % | 4-159 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 117 % | 4-159 | |
| | | | MSRPD | ug/L | 10.00 | 6.1% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 85.6 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 97.7 % | 4-159 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 117 % | 4-159 | |
| | | | MSRPD | ug/L | 10.00 | 18.4% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 89.8 % | 70-130 | |
| Methyl tert-Butyl Ether | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 97.3 % | 70-130 | |
| Methyl tert-Butyl Ether (MTBE) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 10.00 | 109 % | 11-168 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 113 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤29 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 10.00 | 95.1 % | 11-168 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | 524.2 | (SP 1711602-001) | MSD | ug/L | 10.00 | 113 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 17.3% | ≤29 | |
| Methylene Chloride | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 121 % | 70-130 | |
| Naphthalene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 103 % | 0-189 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 102 % | 0-189 | |
| | | | MSRPD | ug/L | 10.00 | 0.5% | ≤32 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 97.8 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 86.3 % | 0-189 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 104 % | 0-189 | |
| | | | MSRPD | ug/L | 10.00 | 18.6% | ≤32 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 91.7 % | 70-130 | |
| n-Butylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 4-186 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 132 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 0.07% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 4-186 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 135 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 18.5% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| n-Propylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 0-174 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 131 % | 0-174 | |
| | | | MSRPD | ug/L | 10.00 | 3.0% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 0-174 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 133 % | 0-174 | |
| | | | MSRPD | ug/L | 10.00 | 17.6% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| p-Isopropyltoluene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 0-193 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 130 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 2.4% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 98.3 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 0-193 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 16.7% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| sec-Butylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 0-177 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 132 % | 0-177 | |
| | | | MSRPD | ug/L | 10.00 | 3.2% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 97.1 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 0-177 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 135 % | 0-177 | |
| | | | MSRPD | ug/L | 10.00 | 16.6% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Styrene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 0-198 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 131 % | 0-198 | |
| | | | MSRPD | ug/L | 10.00 | 8.7% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 100 % | 0-198 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 127 % | 0-198 | |
| | | | MSRPD | ug/L | 10.00 | 23.0% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| TAME | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 116 % | 15-162 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 124 % | 15-162 | |
| | | | MSRPD | ug/L | 10.00 | 0.80 | ≤3 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 103 % | 15-162 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 122 % | 15-162 | |
| | | | MSRPD | ug/L | 10.00 | 1.9 | ≤3 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| tert-Butylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 9-179 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 121 % | 9-179 | |
| | | | MSRPD | ug/L | 10.00 | 4.6% | ≤38 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 89.8 % | 30-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 102 % | 9-179 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 125 % | 9-179 | |
| | | | MSRPD | ug/L | 10.00 | 19.7% | ≤38 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 96.1 % | 30-130 | |
| Tetrachloroethylene (PCE) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 122 % | 14-186 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 130 % | 14-186 | |
| | | | MSRPD | ug/L | 10.00 | 6.1% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 95.8 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 14-186 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 14-186 | |
| | | | MSRPD | ug/L | 10.00 | 15.9% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| Toluene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 3-174 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 125 % | 3-174 | |
| | | | MSRPD | ug/L | 10.00 | 5.5% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 99.7 % | 30-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 106 % | 3-174 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 126 % | 3-174 | |
| | | | MSRPD | ug/L | 10.00 | 17.0% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 103 % | 30-130 | |
| trans-1,2-Dichloroethylene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 5-165 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 130 % | 5-165 | |
| | | | MSRPD | ug/L | 10.00 | 5.2% | ≤40 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| trans-1,2-Dichloroethylene | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 99.9 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 5-165 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 132 % | 5-165 | |
| | | | MSRPD | ug/L | 10.00 | 15.0% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| trans-1,3-Dichloropropene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.200 | 125 % | 0-169 | |
| | | (CC 1783489-001) | MSD | ug/L | 9.200 | 131 % | 0-169 | |
| | | | MSRPD | ug/L | 10.00 | 4.6% | ≤31 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 9.200 | 114 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.200 | 106 % | 0-169 | |
| | | (SP 1711602-001) | MSD | ug/L | 9.200 | 129 % | 0-169 | |
| | | | MSRPD | ug/L | 10.00 | 19.7% | ≤31 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 9.200 | 114 % | 70-130 | |
| Trichloroethylene (TCE) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 121 % | 11-167 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 130 % | 11-167 | |
| | | | MSRPD | ug/L | 10.00 | 7.5% | ≤35 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 98.7 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 11-167 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 130 % | 11-167 | |
| | | | MSRPD | ug/L | 10.00 | 16.1% | ≤35 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| Trichlorofluoromethane F-11 | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 135 % | 70-130 | 360 |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 152 % | 70-130 | 360 |
| Trichlorotrifluoroethane F-113 | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 5.000 | 325 % | 0-183 | 435 |
| | | (CC 1783489-001) | MSD | ug/L | 5.000 | 318 % | 0-183 | 435 |
| | | | MSRPD | ug/L | 10.00 | 2.2% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 5.000 | 224 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 143 % | 0-183 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 170 % | 0-183 | |
| | | | MSRPD | ug/L | 10.00 | 16.9% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 132 % | 70-130 | 360 |
| Vinyl Chloride | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 45.9 % | 0-208 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 54.9 % | 0-208 | |
| | | | MSRPD | ug/L | 10.00 | 17.8% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 154 % | 30-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 51.8 % | 0-208 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 63.9 % | 0-208 | |
| | | | MSRPD | ug/L | 10.00 | 21.0% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 187 % | 30-130 | 360 |
| Xylenes m,p | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 20.00 | 124 % | 0-193 | |
| | | (CC 1783489-001) | MSD | ug/L | 20.00 | 133 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 6.8% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 20.00 | 103 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Xylenes m,p | 524.2 | | MS | ug/L | 20.00 | 110 % | 0-193 | |
| | | (SP 1711602-001) | MSD | ug/L | 20.00 | 133 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 18.8% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 20.00 | 109 % | 70-130 | |
| Xylenes o | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 0-188 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 121 % | 0-188 | |
| | | | MSRPD | ug/L | 10.00 | 4.7% | ≤36 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 97.7 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 102 % | 0-188 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 122 % | 0-188 | |
| | | | MSRPD | ug/L | 10.00 | 18.0% | ≤36 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| 3-Hydroxycarbofuran | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 81.6 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 87.1 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 89.1 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 2.3% | ≤16.8 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 20.00 | 89.0 % | 80-120 | |
| | | | CCV | ug/L | 10.00 | 94.9 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 99.0 % | 80-120 | |
| Aldicarb | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 85.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 89.2 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 92.5 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.7% | ≤11.2 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 20.00 | 92.9 % | 80-120 | |
| | | | CCV | ug/L | 10.00 | 83.7 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 102 % | 80-120 | |
| Aldicarb Sulfone | 531.1 | 09/15/17:212156SG | CCV | ug/L | 20.00 | 90.0 % | 80-120 | |
| | | | CCV | ug/L | 10.00 | 93.5 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 90.6 % | 80-120 | |
| Aldicarb Sulfone/Sulfoxide | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <3 | |
| | | | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 92.0 % | 80-120 | |
| | | | LCS | ug/L | 20.00 | 83.0 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 95.8 % | 65-135 | |
| | | | MS | ug/L | 20.00 | 87.0 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 98.9 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 90.4 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.2% | ≤13.8 | |
| | | | MSRPD | ug/L | 20.00 | 3.8% | ≤7.28 | |
| Aldicarb Sulfoxide | 531.1 | 09/15/17:212156SG | CCV | ug/L | 20.00 | 97.6 % | 80-120 | |
| | | | CCV | ug/L | 10.00 | 99.1 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 104 % | 80-120 | |
| Carbaryl | 531.1 | 09/15/17:212156SG | CCV | ug/L | 20.00 | 98.4 % | 80-120 | |
| | | | CCV | ug/L | 10.00 | 80.4 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 107 % | 80-120 | |
| Carbaryl/Naphthol | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 87.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 91.0 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.9 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.78 | ≤5 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Carbofuran | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 84.0 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 90.2 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 89.2 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.19 | ≤5 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 20.00 | 98.4 % | 80-120 | |
| | | | CCV | ug/L | 10.00 | 81.1 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 87.4 % | 80-120 | |
| Methomyl | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 87.4 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 90.9 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.0 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.4% | ≤53.1 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 20.00 | 90.7 % | 80-120 | |
| | | | CCV | ug/L | 10.00 | 109 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 101 % | 80-120 | |
| Oxamyl | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 88.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 92.4 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.8 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.48 | ≤5 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 20.00 | 92.4 % | 80-120 | |
| | | | CCV | ug/L | 10.00 | 90.7 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 94.3 % | 80-120 | |
| TOC | 5310C | 09/18/17:211163AMM | Blank | mg/L | | ND | <0.3 | |
| | | | BS | mg/L | 15.00 | 103 % | 75-125 | |
| | | | BSD | mg/L | 15.00 | 104 % | 75-125 | |
| | | | BSRPD | mg/L | 15.00 | 1.3% | ≤23.0 | |
| | 5310C | 09/18/17:214077AMM | CCV | ppm | 15.00 | 106 % | 67-122 | |
| | | | CCV | ppm | 15.00 | 107 % | 67-122 | |
| | 5310C | 09/20/17:211306AMM | Blank | mg/L | | ND | <0.3 | |
| | | | BS | mg/L | 15.00 | 97.0 % | 75-125 | |
| | | | BSD | mg/L | 15.00 | 90.5 % | 75-125 | |
| | | | BSRPD | mg/L | 15.00 | 6.9% | ≤23.0 | |
| | 5310C | 09/20/17:214222AMM | CCV | ppm | 15.00 | 102 % | 67-122 | |
| | | | CCV | ppm | 15.00 | 104 % | 67-122 | |
| Endothall | 548.1 | 09/19/17:211274SG | Blank | ug/L | | ND | <40 | |
| | | | LCS | ug/L | 66.67 | 91.2 % | 30-96 | |
| | | | MS | ug/L | 66.67 | 15.3 % | 15-87 | |
| | | (STK1751650-001) | MSD | ug/L | 66.67 | 30.5 % | 15-87 | |
| | | | MSRPD | ug/L | 66.67 | 10 | ≤40 | |
| | 548.1 | 09/22/17:214244SG | CCV | ug/L | 2500 | 107 % | 70-130 | |
| | | | CCV | ug/L | 1000 | 93.0 % | 70-130 | |
| Diquat Dibromide | 549 | 09/13/17:211004SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 76.9 % | 34-114 | |
| | | | MS | ug/L | 20.00 | 92.2 % | 0-86 | 435 |
| | | (STK1751650-001) | MSD | ug/L | 20.00 | 94.2 % | 0-86 | 435 |
| | | | MSRPD | ug/L | 20.00 | 2.2% | ≤13 | |
| | 549.2 | 09/19/17:214155SG | CCV | ug/L | 1000 | 97.8 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 88.4 % | 80-120 | |
| 2,3-Dibromopropionic Acid | 552 | 09/19/17:211280SBL | Blank | ug/L | 5.000 | 77.1 % | 70-130 | |
| | | | LCS | ug/L | 5.000 | 90.6 % | 70-130 | |
| | | | MS | ug/L | 5.000 | 89.4 % | 70-130 | |
| | | (SP 1711192-001) | MSD | ug/L | 5.000 | 96.9 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,3-Dibromopropionic Acid | 552 | 09/19/17:211280SBL | MSRPD | ug/L | 5.000 | 0.38 | ≤1 | |
| Dibromoacetic Acid | 552 | 09/19/17:211280SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 105 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 94.2 % | 70-130 | |
| | | (SP 1711192-001) | MSD | ug/L | 10.00 | 92.6 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 1.6% | ≤20.0 | |
| Dichloroacetic Acid | 552 | 09/19/17:211280SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 107 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 101 % | 70-130 | |
| | | (SP 1711192-001) | MSD | ug/L | 10.00 | 99.5 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 1.6% | ≤20.0 | |
| Monobromoacetic Acid | 552 | 09/19/17:211280SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 100 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 87.9 % | 70-130 | |
| | | (SP 1711192-001) | MSD | ug/L | 10.00 | 87.9 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 0.06% | ≤20.0 | |
| Monochloroacetic Acid | 552 | 09/19/17:211280SBL | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 10.00 | 106 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 93.0 % | 70-130 | |
| | | (SP 1711192-001) | MSD | ug/L | 10.00 | 92.9 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 0.0050 | ≤2 | |
| Trichloroacetic Acid | 552 | 09/19/17:211280SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 101 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 96.6 % | 70-130 | |
| | | (SP 1711192-001) | MSD | ug/L | 10.00 | 94.8 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 1.8% | ≤20.0 | |
| 2,3-Dibromopropionic Acid | 552.2 | 09/21/17:214191SBL | CCV | ug/L | 50.00 | 101 % | 70-130 | |
| | | | CCV | ug/L | 75.00 | 111 % | 70-130 | |
| Dibromoacetic Acid | 552.2 | 09/21/17:214191SBL | CCV | ug/L | 100.0 | 99.4 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 99.8 % | 70-130 | |
| Dichloroacetic Acid | 552.2 | 09/21/17:214191SBL | CCV | ug/L | 100.0 | 102 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 100 % | 70-130 | |
| Monobromoacetic Acid | 552.2 | 09/21/17:214191SBL | CCV | ug/L | 100.0 | 96.0 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 91.7 % | 70-130 | |
| Monochloroacetic Acid | 552.2 | 09/21/17:214191SBL | CCV | ug/L | 100.0 | 103 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 95.2 % | 70-130 | |
| Trichloroacetic Acid | 552.2 | 09/21/17:214191SBL | CCV | ug/L | 100.0 | 95.4 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 91.5 % | 70-130 | |
| Chlordane | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.1 | |
| PCB 1016 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1221 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1232 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1242 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1248 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1254 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1260 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| Tetrachloro-m-xylene | 608/8081 | 09/18/17:211160caa | Blank | ug/L | 0.5005 | 47.8 % | 15-143 | |
| | | | LCS | ug/L | 0.5005 | 38.0 % | 15-143 | |
| | | | BS | ug/L | 0.5005 | 57.7 % | 26-141 | |
| | | | BSD | ug/L | 0.5005 | 28.1 % | 26-141 | |
| | | | BSRPD | ug/L | 0.5005 | 0.15 | ≤0.05 | 410 |
| | 608/8081 | 09/22/17:214242SBL | CCV | ug/L | 100.1 | 96.4 % | 85-115 | |
| | | | CCV | ug/L | 50.05 | 87.9 % | 85-115 | |
| Toxaphene | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,1,1-Trichloroethane(TCA) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 110 % | 66-191 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 66-191 | |
| | | | MSRPD | ug/L | 10.00 | 7.2% | ≤21 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 86.1 % | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 30-180 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 30-180 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤19 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 113 % | 60-140 | |
| 1,1,2-Trichloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 104 % | 50-146 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 110 % | 50-146 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 99.7 % | 71-129 | |
| 1,1-Dichloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 99.6 % | 63-159 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 100 % | 63-159 | |
| | | | MSRPD | ug/L | 10.00 | 0.9% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 86.9 % | 72-128 | |
| 1,1-Dichloroethylene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 67.4 % | 0-279 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 66.2 % | 0-279 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤36 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 56.0 % | 51-150 | |
| 1,2-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 57-153 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 135 % | 57-153 | |
| | | | MSRPD | ug/L | 10.00 | 3.3% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 122 % | 63-137 | |
| 1,2-Dichloroethane (EDC) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 56-158 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 122 % | 56-158 | |
| | | | MSRPD | ug/L | 10.00 | 3.8% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 114 % | 68-132 | |
| 1,2-Dichloropropane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 55-152 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 117 % | 55-152 | |
| | | | MSRPD | ug/L | 10.00 | 4.2% | ≤23 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 105 % | 34-166 | |
| 1,3-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 136 % | 53-159 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 140 % | 53-159 | |
| | | | MSRPD | ug/L | 10.00 | 2.8% | ≤28 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 127 % | 73-127 | |
| 1,4-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 53-161 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 143 % | 53-161 | |
| | | | MSRPD | ug/L | 10.00 | 3.7% | ≤27 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 128 % | 63-137 | |
| 2-Butanone (MEK) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <40 | |
| | | | MS | ug/L | 100.0 | 90.4 % | 0-211 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 99.7 % | 0-211 | |
| | | | MSRPD | ug/L | 10.00 | 9.4 | ≤40 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2-Butanone (MEK) | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 93.0 % | 20-230 | |
| 2-Chloroethylvinyl ether | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1 | |
| | | | MS | ug/L | 100.0 | 63.4 % | 0-11 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 67.7 % | 0-11 | 435 |
| | | | MSRPD | ug/L | 10.00 | 6.5% | ≤3 | 435 |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 73.9 % | 10-224 | |
| 2-Hexanone | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <30 | |
| | | | MS | ug/L | 100.0 | 88.0 % | 0-190 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 94.7 % | 0-190 | |
| | | | MSRPD | ug/L | 10.00 | 6.7 | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 101 % | 20-283 | |
| 4-Bromofluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 102 % | 70-161 | |
| | | | MS | ug/L | 10.00 | 105 % | 58-151 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 104 % | 58-151 | |
| | | | MSRPD | ug/L | 10.00 | 0.7% | ≤14 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <30 | |
| | | | MS | ug/L | 100.0 | 93.3 % | 0-194 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 94.5 % | 0-194 | |
| | | | MSRPD | ug/L | 10.00 | 1.2 | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 106 % | 20-233 | |
| Acetone | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <25 | |
| | | | MS | ug/L | 100.0 | 103 % | 0-270 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 111 % | 0-270 | |
| | | | MSRPD | ug/L | 10.00 | 8.1 | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 129 % | 20-367 | |
| Acrolein | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 100.0 | 104 % | 0-171 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 102 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 1.5% | ≤50 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 100.0 | 105 % | 20-209 | |
| Acrylonitrile | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <2 | |
| | | | MS | ug/L | 100.0 | 284 % | 0-244 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 304 % | 0-244 | 435 |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤47 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 100.0 | 309 % | 20-278 | 360 |
| Benzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 103 % | 65-155 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 111 % | 65-155 | |
| | | | MSRPD | ug/L | 10.00 | 7.1% | ≤21 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 91.6 % | 64-136 | |
| Bromodichloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 62-150 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 115 % | 62-150 | |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 108 % | 65-135 | |
| Bromoform | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 64-150 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 132 % | 64-150 | |
| | | | MSRPD | ug/L | 10.00 | 6.7% | ≤16 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 129 % | 71-129 | |
| Bromomethane (Methyl Bromide) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 49.8 % | 48-196 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 52.0 % | 48-196 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Bromomethane (Methyl Bromide) | 624 | 09/14/17:211554VRG | MSRPD | ug/L | 10.00 | 4.3% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 169 % | 14-186 | |
| Carbon Disulfide | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 100.0 | 97.2 % | 0-230 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 102 % | 0-230 | |
| | | | MSRPD | ug/L | 10.00 | 5.0% | ≤72 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 71.1 % | 20-242 | |
| Carbon Tetrachloride | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 69-206 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 139 % | 69-206 | |
| | | | MSRPD | ug/L | 10.00 | 9.5% | ≤19 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 94.2 % | 73-127 | |
| Chlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 122 % | 69-152 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 131 % | 69-152 | |
| | | | MSRPD | ug/L | 10.00 | 7.7% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 112 % | 66-134 | |
| Chloroethane (Ethyl Chloride) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 36.8 % | 53-214 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 38.1 % | 53-214 | 435 |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤32 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 115 % | 38-162 | |
| Chloroform | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 50.00 | 27.1 % | 55-155 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 50.00 | 22.0 % | 55-155 | 435 |
| | | | MSRPD | ug/L | 10.00 | 4.1% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.5 % | 67-133 | |
| Chloromethane(Methyl Chloride) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 40.4 % | 33-202 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 43.3 % | 33-202 | |
| | | | MSRPD | ug/L | 10.00 | 7.0% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 141 % | 0-204 | |
| cis-1,3-Dichloropropene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 59-142 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 122 % | 59-142 | |
| | | | MSRPD | ug/L | 10.00 | 4.6% | ≤23 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 111 % | 24-176 | |
| Dibromochloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 53-151 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 116 % | 53-151 | |
| | | | MSRPD | ug/L | 10.00 | 6.5% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 107 % | 67-133 | |
| Dichloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <2 | |
| | | | MS | ug/L | 10.00 | 93.5 % | 24-207 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 100 % | 24-207 | |
| | | | MSRPD | ug/L | 10.00 | 0.67 | ≤2 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 85.2 % | 60-139 | |
| Ethylbenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 140 % | 45-194 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 138 % | 45-194 | |
| | | | MSRPD | ug/L | 10.00 | 1.2% | ≤31 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 118 % | 59-141 | |
| Fluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 100 % | 72-139 | |
| | | | MS | ug/L | 10.00 | 101 % | 90-121 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Fluorobenzene | 624 | (CH 1777935-001) | MSD | ug/L | 10.00 | 101 % | 90-121 | |
| | | | MSRPD | ug/L | 10.00 | 0.02% | ≤3 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| Freon-11 | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 40.00 | 40.7 % | 57-259 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 41.9 % | 57-259 | 435 |
| | | | MSRPD | ug/L | 10.00 | 3.1% | ≤27 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 112 % | 48-152 | |
| Methyl tert-Butyl Ether (MTBE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 10.00 | 102 % | 26-210 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 95.2 % | 26-210 | |
| | | | MSRPD | ug/L | 10.00 | 0.64 | ≤5 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 90.3 % | 63-178 | |
| Pentafluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 111 % | 59-151 | |
| | | | MS | ug/L | 10.00 | 106 % | 74-148 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 107 % | 74-148 | |
| | | | MSRPD | ug/L | 10.00 | 1.5% | ≤10 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| Styrene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 6-195 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 132 % | 6-195 | |
| | | | MSRPD | ug/L | 10.00 | 2.3% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 121 % | 67-158 | |
| Tetrachloroethylene (PCE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 133 % | 63-171 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 140 % | 63-171 | |
| | | | MSRPD | ug/L | 10.00 | 4.5% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 106 % | 73-127 | |
| Toluene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 65-160 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 119 % | 65-160 | |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.0 % | 74-126 | |
| trans-1,2-Dichloroethylene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 92.0 % | 68-179 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 97.3 % | 68-179 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤51 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 80.5 % | 69-131 | |
| trans-1,3-Dichloropropene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 102 % | 55-148 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 108 % | 55-148 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.1 % | 50-150 | |
| Trichloroethylene (TCE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 54-178 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 54-178 | |
| | | | MSRPD | ug/L | 10.00 | 4.4% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 95.8 % | 66-134 | |
| Vinyl Acetate | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <10 | |
| | | | MS | ug/L | 100.0 | 86.6 % | 0-331 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 91.8 % | 0-331 | |
| | | | MSRPD | ug/L | 10.00 | 5.8% | ≤44 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 101 % | 20-393 | |
| Vinyl Chloride | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Vinyl Chloride | 624 | | MS | ug/L | 40.00 | 45.0 % | 32-217 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 48.8 % | 32-217 | |
| | | | MSRPD | ug/L | 10.00 | 8.0% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 141 % | 4-196 | |
| Xylenes m,p | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 20.00 | 140 % | 50-181 | |
| | | (CH 1777935-001) | MSD | ug/L | 20.00 | 139 % | 50-181 | |
| | | | MSRPD | ug/L | 10.00 | 0.9% | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 20.00 | 118 % | 45-170 | |
| Xylenes o | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 137 % | 38-182 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 136 % | 38-182 | |
| | | | MSRPD | ug/L | 10.00 | 0.6% | ≤29 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 121 % | 63-163 | |
| 1,2,4-Trichlorobenzene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 82.3 % | 38-105 | |
| | | | MS | ug/L | 18.69 | 80.3 % | 21-110 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 92.3 % | 21-110 | |
| | | | MSRPD | ug/L | 18.69 | 14.0% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| 1,2-Dichlorobenzene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.5 % | 48-97 | |
| | | | MS | ug/L | 18.69 | 83.3 % | 16-115 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 97.0 % | 16-115 | |
| | | | MSRPD | ug/L | 18.69 | 15.2% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| 1,2-Diphenylhydrazine | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.0 % | 61-111 | |
| | | | MS | ug/L | 18.69 | 88.8 % | 39-121 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 97.9 % | 39-121 | |
| | | | MSRPD | ug/L | 18.69 | 9.8% | ≤30 | |
| 1,3-Dichlorobenzene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 82.0 % | 39-94 | |
| | | | MS | ug/L | 18.69 | 80.0 % | 11-111 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 93.3 % | 11-111 | |
| | | | MSRPD | ug/L | 18.69 | 15.4% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| 1,4-Dichlorobenzene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 83.9 % | 42-95 | |
| | | | MS | ug/L | 18.69 | 81.6 % | 13-111 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 95.2 % | 13-111 | |
| | | | MSRPD | ug/L | 18.69 | 15.4% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| 2,4,5-Trichlorophenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 108 % | 70-122 | |
| | | | MS | ug/L | 18.69 | 110 % | 36-148 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 120 % | 36-148 | |
| | | | MSRPD | ug/L | 18.69 | 8.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 119 % | 70-130 | |
| 2,4,6-Tribromophenol | 625 | 09/13/17:210973caa | Blank | ug/L | 20.00 | 55.2 % | 34-116 | |
| | | | LCS | ug/L | 20.00 | 69.5 % | 34-116 | |
| | | | MS | ug/L | 18.69 | 72.0 % | 34-116 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 78.3 % | 34-116 | |
| | | | MSRPD | ug/L | 18.69 | 8.4% | ≤30 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,4,6-Tribromophenol | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 95.6 % | 80-120 | |
| 2,4,6-Trichlorophenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.1 % | 65-115 | |
| | | | MS | ug/L | 18.69 | 88.8 % | 38-136 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 98.8 % | 38-136 | |
| | | | MSRPD | ug/L | 18.69 | 10.7% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| 2,4-Dichlorophenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 92.2 % | 68-117 | |
| | | | MS | ug/L | 18.69 | 91.1 % | 37-131 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 105 % | 37-131 | |
| | | | MSRPD | ug/L | 18.69 | 14.5% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| 2,4-Dimethylphenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 68.8 % | 54-97 | |
| | | | MS | ug/L | 18.69 | 72.3 % | 23-118 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 80.2 % | 23-118 | |
| | | | MSRPD | ug/L | 18.69 | 10.4% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 94.9 % | 80-120 | |
| 2,4-Dinitrophenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 75.3 % | 37-112 | |
| | | | MS | ug/L | 18.69 | 80.8 % | 15-146 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 87.4 % | 15-146 | |
| | | | MSRPD | ug/L | 18.69 | 1.2 | ≤5 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 86.0 % | 80-120 | |
| 2,4-Dinitrotoluene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 97.8 % | 71-114 | |
| | | | MS | ug/L | 18.69 | 99.1 % | 49-135 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 107 % | 49-135 | |
| | | | MSRPD | ug/L | 18.69 | 7.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| 2,6-Dinitrotoluene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 101 % | 72-119 | |
| | | | MS | ug/L | 18.69 | 103 % | 43-140 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 111 % | 43-140 | |
| | | | MSRPD | ug/L | 18.69 | 7.9% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 119 % | 80-120 | |
| 2-Chlorophenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 87.5 % | 63-114 | |
| | | | MS | ug/L | 18.69 | 84.9 % | 34-124 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 97.4 % | 34-124 | |
| | | | MSRPD | ug/L | 18.69 | 13.7% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| 2-Fluorobiphenyl | 625 | 09/13/17:210973caa | Blank | ug/L | 10.00 | 51.9 % | 29-98 | |
| | | | LCS | ug/L | 10.00 | 60.8 % | 29-98 | |
| | | | MS | ug/L | 9.346 | 60.7 % | 29-98 | |
| | | (SP 1710844-001) | MSD | ug/L | 9.346 | 66.1 % | 29-98 | |
| | | | MSRPD | ug/L | 18.69 | 8.4% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 10.00 | 97.9 % | 80-120 | |
| 2-Fluorophenol | 625 | 09/13/17:210973caa | Blank | ug/L | 20.00 | 53.6 % | 23-105 | |
| | | | LCS | ug/L | 20.00 | 70.9 % | 23-105 | |
| | | | MS | ug/L | 18.69 | 67.6 % | 23-105 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 78.0 % | 23-105 | |
| | | | MSRPD | ug/L | 18.69 | 14.4% | ≤30 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2-Fluorophenol | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 102 % | 80-120 | |
| 2-Nitrophenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 92.1 % | 59-125 | |
| | | | MS | ug/L | 18.69 | 89.9 % | 39-135 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 103 % | 39-135 | |
| | | | MSRPD | ug/L | 18.69 | 13.4% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| 3,3-Dichlorobenzidine | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 65.9 % | 52-119 | |
| | | | MS | ug/L | 18.69 | 51.2 % | 3-125 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 54.9 % | 3-125 | |
| | | | MSRPD | ug/L | 18.69 | 7.0% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 120 % | 80-120 | |
| 4,6-Dinitro-2-methylphenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 79.0 % | 35-129 | |
| | | | MS | ug/L | 18.69 | 79.8 % | 36-137 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 88.5 % | 36-137 | |
| | | | MSRPD | ug/L | 18.69 | 10.4% | ≤30 | |
| 4,6-Dinitro-o-cresol | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 82.2 % | 80-120 | |
| 4-Bromophenylphenylether | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.0 % | 66-111 | |
| | | | MS | ug/L | 18.69 | 86.3 % | 41-123 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 95.0 % | 41-123 | |
| | | | MSRPD | ug/L | 18.69 | 9.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 102 % | 80-120 | |
| 4-Nitrophenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 109 % | 57-144 | |
| | | | MS | ug/L | 18.69 | 112 % | 11-199 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 125 % | 11-199 | |
| | | | MSRPD | ug/L | 18.69 | 10.9% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Acenaphthene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.9 % | 60-106 | |
| | | | MS | ug/L | 18.69 | 86.5 % | 33-122 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 96.3 % | 33-122 | |
| | | | MSRPD | ug/L | 18.69 | 10.7% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Acenaphthylene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.6 % | 63-109 | |
| | | | MS | ug/L | 18.69 | 89.8 % | 34-126 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 99.5 % | 34-126 | |
| | | | MSRPD | ug/L | 18.69 | 10.3% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Anthracene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 91.0 % | 73-108 | |
| | | | MS | ug/L | 18.69 | 91.2 % | 44-122 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 99.6 % | 44-122 | |
| | | | MSRPD | ug/L | 18.69 | 8.8% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Azobenzene | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Benzidine | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 1.9 % | 0-59 | |
| | | | MS | ug/L | 18.69 | 1.7 % | 0-115 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 3.6 % | 0-115 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Benzidine | 625 | 09/13/17:210973caa | MSRPD | ug/L | 18.69 | 0.36 | ≤2 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 70-130 | |
| Benzo(a)anthracene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 95.4 % | 80-106 | |
| | | | MS | ug/L | 18.69 | 96.2 % | 42-123 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 103 % | 42-123 | |
| | | | MSRPD | ug/L | 18.69 | 6.4% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| Benzo(a)pyrene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.3 % | 77-105 | |
| | | | MS | ug/L | 18.69 | 93.2 % | 41-121 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 102 % | 41-121 | |
| | | | MSRPD | ug/L | 18.69 | 9.1% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Benzo(b)fluoranthene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 95.9 % | 80-104 | |
| | | | MS | ug/L | 18.69 | 95.4 % | 35-135 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 105 % | 35-135 | |
| | | | MSRPD | ug/L | 18.69 | 9.2% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Benzo(g,h,i)perylene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 96.5 % | 49-128 | |
| | | | MS | ug/L | 18.69 | 95.8 % | 38-118 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 106 % | 38-118 | |
| | | | MSRPD | ug/L | 18.69 | 10.5% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 114 % | 80-120 | |
| Benzo(k)fluoranthene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 95.7 % | 71-113 | |
| | | | MS | ug/L | 18.69 | 95.2 % | 40-124 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 104 % | 40-124 | |
| | | | MSRPD | ug/L | 18.69 | 8.7% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| bis(2-Chloroethoxy)methane | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 89.3 % | 65-111 | |
| | | | MS | ug/L | 18.69 | 87.9 % | 32-128 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 101 % | 32-128 | |
| | | | MSRPD | ug/L | 18.69 | 13.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| bis(2-Chloroethyl)ether | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 92.3 % | 68-110 | |
| | | | MS | ug/L | 18.69 | 89.6 % | 0-201 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 103 % | 0-201 | |
| | | | MSRPD | ug/L | 18.69 | 13.9% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| bis(2-Chloroisopropyl)ether | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 77.9 % | 48-105 | |
| | | | MS | ug/L | 18.69 | 74.9 % | 27-116 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 87.6 % | 27-116 | |
| | | | MSRPD | ug/L | 18.69 | 15.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 92.0 % | 80-120 | |
| bis(2-Ethylhexyl)phthalate | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 96.1 % | 69-116 | |
| | | | MS | ug/L | 18.69 | 90.5 % | 18-137 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 115 % | 18-137 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| bis(2-Ethylhexyl)phthalate | 625 | 09/13/17:210973caa | MSRPD | ug/L | 18.69 | 22.1% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Butylbenzylphthalate | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 77.8 % | 14-112 | |
| | | | MS | ug/L | 18.69 | 90.0 % | 18-136 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 101 % | 18-136 | |
| | | | MSRPD | ug/L | 18.69 | 12.0% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| Chloronaphthalene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.5 % | 56-105 | |
| | | | MS | ug/L | 18.69 | 85.5 % | 32-119 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 95.5 % | 32-119 | |
| | | | MSRPD | ug/L | 18.69 | 11.1% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Chlorophenylphenylether | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.7 % | 62-111 | |
| | | | MS | ug/L | 18.69 | 83.8 % | 40-119 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 92.6 % | 40-119 | |
| | | | MSRPD | ug/L | 18.69 | 9.9% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| Chrysene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 94.5 % | 79-107 | |
| | | | MS | ug/L | 18.69 | 95.0 % | 39-123 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 103 % | 39-123 | |
| | | | MSRPD | ug/L | 18.69 | 7.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Dibenzo(a,h)anthracene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 101 % | 63-133 | |
| | | | MS | ug/L | 18.69 | 102 % | 34-138 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 115 % | 34-138 | |
| | | | MSRPD | ug/L | 18.69 | 11.9% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 121 % | 80-120 | 360 |
| Diethylphthalate | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 51.1 % | 0-87 | |
| | | | MS | ug/L | 18.69 | 88.1 % | 0-147 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 95.7 % | 0-147 | |
| | | | MSRPD | ug/L | 18.69 | 8.3% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Dimethylphthalate | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 46.8 % | 0-56 | |
| | | | MS | ug/L | 18.69 | 79.5 % | 0-137 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 88.0 % | 0-137 | |
| | | | MSRPD | ug/L | 18.69 | 10.2% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| Di-n-butylphthalate | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 81.3 % | 20-120 | |
| | | | MS | ug/L | 18.69 | 97.4 % | 26-141 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 105 % | 26-141 | |
| | | | MSRPD | ug/L | 18.69 | 7.5% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 114 % | 80-120 | |
| Di-n-octylphthalate | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 103 % | 55-126 | |
| | | | MS | ug/L | 18.69 | 94.4 % | 29-144 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 107 % | 29-144 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Di-n-octylphthalate | 625 | 09/13/17:210973caa | MSRPD | ug/L | 18.69 | 12.1% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 114 % | 80-120 | |
| Fluoranthene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.7 % | 73-111 | |
| | | | MS | ug/L | 18.69 | 95.1 % | 48-126 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 99.5 % | 48-126 | |
| | | | MSRPD | ug/L | 18.69 | 4.5% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Fluorene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 89.8 % | 64-111 | |
| | | | MS | ug/L | 18.69 | 90.1 % | 38-123 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 98.2 % | 38-123 | |
| | | | MSRPD | ug/L | 18.69 | 8.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| Hexachlorobenzene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.4 % | 66-108 | |
| | | | MS | ug/L | 18.69 | 87.1 % | 40-115 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 96.2 % | 40-115 | |
| | | | MSRPD | ug/L | 18.69 | 10% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Hexachlorobutadiene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 67.1 % | 4-104 | |
| | | | MS | ug/L | 18.69 | 65.4 % | 4-101 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 77.6 % | 4-101 | |
| | | | MSRPD | ug/L | 18.69 | 17.0% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| Hexachlorocyclopentadiene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 41.7 % | 0-73 | |
| | | | MS | ug/L | 18.69 | 40.8 % | 4-44 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 50.6 % | 4-44 | 435 |
| | | | MSRPD | ug/L | 18.69 | 21.5% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 99.9 % | 80-120 | |
| Hexachloroethane | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 76.2 % | 16-97 | |
| | | | MS | ug/L | 18.69 | 74.8 % | 0-109 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 88.7 % | 0-109 | |
| | | | MSRPD | ug/L | 18.69 | 17.1% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Indeno(1,2,3-c,d)pyrene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 107 % | 58-129 | |
| | | | MS | ug/L | 18.69 | 102 % | 26-146 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 114 % | 26-146 | |
| | | | MSRPD | ug/L | 18.69 | 10.7% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 121 % | 80-120 | 360 |
| Isophorone | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.8 % | 63-107 | |
| | | | MS | ug/L | 18.69 | 93.5 % | 35-124 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 106 % | 35-124 | |
| | | | MSRPD | ug/L | 18.69 | 12.1% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| Naphthalene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.8 % | 61-104 | |
| | | | MS | ug/L | 18.69 | 85.5 % | 28-122 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 97.4 % | 28-122 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Naphthalene | 625 | 09/13/17:210973caa | MSRPD | ug/L | 18.69 | 13.0% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| Nitrobenzene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.8 % | 62-104 | |
| | | | MS | ug/L | 18.69 | 86.4 % | 49-108 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 98.6 % | 49-108 | |
| | | | MSRPD | ug/L | 18.69 | 13.2% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Nitrobenzene-d5 | 625 | 09/13/17:210973caa | Blank | ug/L | 10.00 | 51.5 % | 23-104 | |
| | | | LCS | ug/L | 10.00 | 62.8 % | 23-104 | |
| | | | MS | ug/L | 9.346 | 62.2 % | 23-104 | |
| | | (SP 1710844-001) | MSD | ug/L | 9.346 | 69.4 % | 23-104 | |
| | | | MSRPD | ug/L | 18.69 | 10.9% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 10.00 | 101 % | 80-120 | |
| N-Nitrosodimethylamine | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 103 % | 60-117 | |
| | | | MS | ug/L | 18.69 | 95.4 % | 23-129 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 115 % | 23-129 | |
| | | | MSRPD | ug/L | 18.69 | 18.7% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 122 % | 80-120 | 360 |
| N-Nitrosodi-N-propylamine | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.4 % | 61-106 | |
| | | | MS | ug/L | 18.69 | 84.8 % | 30-124 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 98.3 % | 30-124 | |
| | | | MSRPD | ug/L | 18.69 | 14.8% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| N-Nitrosodiphenylamine | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 55.5 % | 9-136 | |
| | | | MS | ug/L | 18.69 | 56.1 % | 34-127 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 62.0 % | 34-127 | |
| | | | MSRPD | ug/L | 18.69 | 9.9% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 88.9 % | 80-120 | |
| p-Chloro-m-cresol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 101 % | 65-118 | |
| | | | MS | ug/L | 18.69 | 100 % | 35-142 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 115 % | 35-142 | |
| | | | MSRPD | ug/L | 18.69 | 13.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 118 % | 80-120 | |
| Pentachlorophenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 89.4 % | 51-131 | |
| | | | MS | ug/L | 18.69 | 94.3 % | 22-172 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 93.8 % | 22-172 | |
| | | | MSRPD | ug/L | 18.69 | 0.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 94.8 % | 80-120 | |
| Phenanthrene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.2 % | 71-106 | |
| | | | MS | ug/L | 18.69 | 89.5 % | 44-120 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 97.5 % | 44-120 | |
| | | | MSRPD | ug/L | 18.69 | 8.6% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Phenol | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.5 % | 48-134 | |
| | | | MS | ug/L | 18.69 | 89.3 % | 28-130 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 105 % | 28-130 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Phenol | 625 | 09/13/17:210973caa | MSRPD | ug/L | 18.69 | 15.8% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Phenol-d6 | 625 | 09/13/17:210973caa | Blank | ug/L | 20.00 | 52.5 % | 26-102 | |
| | | | LCS | ug/L | 20.00 | 71.2 % | 26-102 | |
| | | | MS | ug/L | 18.69 | 66.0 % | 26-102 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 78.6 % | 26-102 | |
| | | | MSRPD | ug/L | 18.69 | 17.4% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 103 % | 80-120 | |
| p-Terphenyl-d14 | 625 | 09/13/17:210973caa | Blank | ug/L | 10.00 | 64.8 % | 29-93 | |
| | | | LCS | ug/L | 10.00 | 63.5 % | 29-93 | |
| | | | MS | ug/L | 9.346 | 53.3 % | 29-93 | |
| | | (SP 1710844-001) | MSD | ug/L | 9.346 | 63.1 % | 29-93 | |
| | | | MSRPD | ug/L | 18.69 | 16.8% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 10.00 | 98.7 % | 80-120 | |
| Pyrene | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 94.3 % | 81-101 | |
| | | | MS | ug/L | 18.69 | 86.1 % | 42-120 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 98.7 % | 42-120 | |
| | | | MSRPD | ug/L | 18.69 | 13.7% | ≤30 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Pyridine | 625 | 09/13/17:210973caa | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 20.00 | 41.8 % | 0-78 | |
| | | | MS | ug/L | 18.69 | 29.2 % | 0-99 | |
| | | (SP 1710844-001) | MSD | ug/L | 18.69 | 61.4 % | 0-99 | |
| | | | MSRPD | ug/L | 18.69 | 6.0 | ≤10 | |
| | 625 | 09/21/17:214261SBL | CCV | mg/L | 20.00 | 119 % | 80-120 | |
| 2,4`-DDD | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 129 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| 2,4`-DDE | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 119 % | 70-130 | |
| 2,4`-DDT | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 129 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| Aldrin | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 83.1 % | 0-131 | |
| | | | BS | ug/L | 0.1000 | 128 % | 4-108 | 436 |
| | | | BSD | ug/L | 0.1000 | 112 % | 4-108 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 13.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 122 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| Alpha BHC | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 77.7 % | 9-125 | |
| | | | BS | ug/L | 0.1000 | 84.6 % | 17-100 | |
| | | | BSD | ug/L | 0.1000 | 80.7 % | 17-100 | |
| | | | BSRPD | ug/L | 0.1000 | 4.7% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 106 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| alpha-Chlordane | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 94.5 % | 14-126 | |
| | | | BS | ug/L | 0.1000 | 135 % | 0-135 | |
| | | | BSD | ug/L | 0.1000 | 132 % | 0-135 | |
| | | | BSRPD | ug/L | 0.1000 | 2.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| Beta BHC | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Beta BHC | 625P | 09/19/17:211227caa | LCS | ug/L | 0.1000 | 45.3 % | 13-125 | |
| | | | BS | ug/L | 0.1000 | 60.8 % | 16-123 | |
| | | | BSD | ug/L | 0.1000 | 44.6 % | 16-123 | |
| | | | BSRPD | ug/L | 0.1000 | 30.8% | ≤25 | 410 |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 70.3 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 82.3 % | 70-130 | |
| cis_Nonachlor | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 91.9 % | 10-138 | |
| | | | BS | ug/L | 0.1000 | 128 % | 0-120 | 436 |
| | | | BSD | ug/L | 0.1000 | 113 % | 0-120 | |
| | | | BSRPD | ug/L | 0.1000 | 12.0% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 110 % | 70-130 | |
| Delta BHC | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 49.7 % | 0-122 | |
| | | | BS | ug/L | 0.1000 | 63.4 % | 0-112 | |
| | | | BSD | ug/L | 0.1000 | 61.0 % | 0-112 | |
| | | | BSRPD | ug/L | 0.1000 | 3.9% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 76.0 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 87.5 % | 70-130 | |
| Dieldrin | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 92.4 % | 19-120 | |
| | | | BS | ug/L | 0.1000 | 133 % | 0-121 | 436 |
| | | | BSD | ug/L | 0.1000 | 126 % | 0-121 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 4.9% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 109 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| Endosulfan I | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 52.7 % | 18-129 | |
| | | | BS | ug/L | 0.1000 | 87.7 % | 0-154 | |
| | | | BSD | ug/L | 0.1000 | 91.5 % | 0-154 | |
| | | | BSRPD | ug/L | 0.1000 | 4.2% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 89.8 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 73.7 % | 70-130 | |
| Endosulfan II | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 99.9 % | 22-128 | |
| | | | BS | ug/L | 0.1000 | 123 % | 0-149 | |
| | | | BSD | ug/L | 0.1000 | 96.4 % | 0-149 | |
| | | | BSRPD | ug/L | 0.1000 | 24.2% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 93.9 % | 70-130 | |
| Endosulfan Sulfate | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 94.7 % | 32-106 | |
| | | | BS | ug/L | 0.1000 | 106 % | 4-140 | |
| | | | BSD | ug/L | 0.1000 | 121 % | 4-140 | |
| | | | BSRPD | ug/L | 0.1000 | 13.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 127 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| Endrin | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 47.7 % | 0-130 | |
| | | | BS | ug/L | 0.1000 | 67.0 % | 7-101 | |
| | | | BSD | ug/L | 0.1000 | 92.2 % | 7-101 | |
| | | | BSRPD | ug/L | 0.1000 | 31.7% | ≤25 | 410 |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 129 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Endrin | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| Endrin Aldehyde | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 62.3 % | 16-135 | |
| | | | BS | ug/L | 0.1000 | 111 % | 0-148 | |
| | | | BSD | ug/L | 0.1000 | 129 % | 0-148 | |
| | | | BSRPD | ug/L | 0.1000 | 15.3% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 127 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| Endrin Ketone | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 93.6 % | 25-121 | |
| | | | BS | ug/L | 0.1000 | 87.3 % | 21-111 | |
| | | | BSD | ug/L | 0.1000 | 119 % | 21-111 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 30.7% | ≤25 | 410 |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 97.6 % | 70-130 | |
| gamma-Chlordane | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 96.0 % | 20-123 | |
| | | | BS | ug/L | 0.1000 | 133 % | 1-116 | 436 |
| | | | BSD | ug/L | 0.1000 | 132 % | 1-116 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 1.0% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 129 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 125 % | 70-130 | |
| Heptachlor | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 78.8 % | 19-119 | |
| | | | BS | ug/L | 0.1000 | 112 % | 13-100 | 436 |
| | | | BSD | ug/L | 0.1000 | 101 % | 13-100 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 10.3% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 118 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| Heptachlor Epoxide | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 91.4 % | 18-131 | |
| | | | BS | ug/L | 0.1000 | 142 % | 0-127 | 436 |
| | | | BSD | ug/L | 0.1000 | 130 % | 0-127 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 9.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 113 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 116 % | 70-130 | |
| Lindane | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 71.2 % | 22-181 | |
| | | | BS | ug/L | 0.1000 | 124 % | 0-234 | |
| | | | BSD | ug/L | 0.1000 | 96.2 % | 0-234 | |
| | | | BSRPD | ug/L | 0.1000 | 24.9% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 108 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 96.9 % | 70-130 | |
| Methoxychlor | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 84.1 % | 26-113 | |
| | | | BS | ug/L | 0.1000 | 91.6 % | 2-107 | |
| | | | BSD | ug/L | 0.1000 | 131 % | 2-107 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 35.3% | ≤25 | 410 |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| o,p - DDD | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 97.3 % | 15-136 | |
| | | | BS | ug/L | 0.1000 | 122 % | 12-118 | 436 |
| | | | BSD | ug/L | 0.1000 | 135 % | 12-118 | 436 |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| o,p - DDD | 625P | 09/19/17:211227caa | BSRPD | ug/L | 0.1000 | 9.9% | ≤25 | |
| o,p - DDE | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 87.0 % | 23-124 | |
| | | | BS | ug/L | 0.1000 | 131 % | 0-108 | 436 |
| | | | BSD | ug/L | 0.1000 | 128 % | 0-108 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 2.2% | ≤25 | |
| o,p - DDT | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 108 % | 27-131 | |
| | | | BS | ug/L | 0.1000 | 119 % | 0-124 | |
| | | | BSD | ug/L | 0.1000 | 129 % | 0-124 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 7.7% | ≤25 | |
| p,p - DDD | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 112 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 97.7 % | 70-130 | |
| p,p - DDE | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 118 % | 70-130 | |
| p,p - DDT | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 111 % | 70-130 | |
| p,p`-DDD | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 87.5 % | 0-177 | |
| | | | BS | ug/L | 0.1000 | 129 % | 17-107 | 436 |
| | | | BSD | ug/L | 0.1000 | 125 % | 17-107 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 2.5% | ≤25 | |
| p,p`-DDE | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 81.6 % | 23-126 | |
| | | | BS | ug/L | 0.1000 | 124 % | 2-107 | 436 |
| | | | BSD | ug/L | 0.1000 | 119 % | 2-107 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 4.5% | ≤25 | |
| p,p`-DDT | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 75.9 % | 32-108 | |
| | | | BS | ug/L | 0.1000 | 88.1 % | 0-128 | |
| | | | BSD | ug/L | 0.1000 | 102 % | 0-128 | |
| | | | BSRPD | ug/L | 0.1000 | 14.6% | ≤25 | |
| Tetrachloro-m-xylene | 625P | 09/19/17:211227caa | Blank | ug/L | 0.1000 | 69.5 % | 26-90 | |
| | | | LCS | ug/L | 0.1000 | 61.5 % | 26-90 | |
| | | | BS | ug/L | 0.1000 | 71.0 % | 26-90 | |
| | | | BSD | ug/L | 0.1000 | 70.2 % | 26-90 | |
| | | | BSRPD | ug/L | 0.1000 | 1.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 120 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| trans-Nonachlor | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 82.4 % | 9-139 | |
| | | | BS | ug/L | 0.1000 | 128 % | 0-120 | 436 |
| | | | BSD | ug/L | 0.1000 | 134 % | 0-120 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 4.8% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |

**Definition**

CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| **Definition** | |
|---|---|
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

| **Explanation** | |
|---|---|
| 360 | : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 362 | : Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| 410 | : Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 436 | : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Boron | 200.7 | | MS | mg/L | 4.000 | 108 % | 75-125 | |
| | | (SP 1711065-004) | MSD | mg/L | 4.000 | 113 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 4.6% | ≤20.0 | |
| | | | MS | mg/L | 4.000 | 107 % | 75-125 | |
| | | (CC 1783491-001) | MSD | mg/L | 4.000 | 112 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 4.1% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 5.000 | 107 % | 90-110 | |
| | | | CCB | ppm | | 0.006 | 0.1 | |
| | | | CCV | ppm | 5.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.049 | 0.1 | |
| | | | CCV | ppm | 5.000 | 105 % | 90-110 | |
| | | | CCB | ppm | | 0.009 | 0.1 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <0.10 | |
| | | | LCS | mg/L | 4.000 | 109 % | 85-115 | |
| | | | MS | mg/L | 4.000 | 95.0 % | 75-125 | |
| | | (SP 1711091-009) | MSD | mg/L | 4.000 | 99.8 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 4.6% | ≤20.0 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 5.000 | 99.8 % | 90-110 | |
| | | | CCB | ppm | | 0.036 | 0.1 | |
| | | | CCV | ppm | 5.000 | 103 % | 90-110 | |
| | | | CCB | ppm | | 0.042 | 0.1 | |
| Calcium | 200.7 | | MS | mg/L | 12.00 | 84.0 % | 75-125 | |
| | | (SP 1711065-004) | MSD | mg/L | 12.00 | 88.9 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 0.4% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 103 % | 75-125 | |
| | | (CC 1783491-001) | MSD | mg/L | 12.00 | 106 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.2% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 25.00 | 108 % | 90-110 | |
| | | | CCB | ppm | | -0.005 | 1 | |
| | | | CCV | ppm | 25.00 | 107 % | 90-110 | |
| | | | CCB | ppm | | -0.007 | 1 | |
| | | | CCV | ppm | 25.00 | 107 % | 90-110 | |
| | | | CCB | ppm | | -0.009 | 1 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 109 % | 85-115 | |
| | | | MS | mg/L | 12.00 | 28.9 % | <¼ | |
| | | (SP 1711091-009) | MSD | mg/L | 12.00 | 77.9 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 7.4% | ≤20.0 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 25.00 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.004 | 1 | |
| | | | CCV | ppm | 25.00 | 105 % | 90-110 | |
| | | | CCB | ppm | | 0.002 | 1 | |
| Copper | 200.7 | | MS | ug/L | 800.0 | 108 % | 75-125 | |
| | | (SP 1711065-004) | MSD | ug/L | 800.0 | 113 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 4.0% | ≤20.0 | |
| | | | MS | ug/L | 800.0 | 106 % | 75-125 | |
| | | (CC 1783491-001) | MSD | ug/L | 800.0 | 109 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.1% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 1.000 | 107 % | 90-110 | |
| | | | CCB | ppm | | 0.00002 | 0.01 | |
| | | | CCV | ppm | 1.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.0001 | 0.01 | |
| | | | CCV | ppm | 1.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.0002 | 0.01 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <0.01 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Copper | 200.7 | 10/10/17:211206amb | LCS | mg/L | 0.8000 | 111 % | 85-115 | |
| | | | MS | mg/L | 0.8000 | 99.3 % | 75-125 | |
| | | (SP 1711091-009) | MSD | mg/L | 0.8000 | 104 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 5.0% | ≤20.0 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 1.000 | 100 % | 90-110 | |
| | | | CCB | ppm | | 0.0001 | 0.01 | |
| | | | CCV | ppm | 1.000 | 104 % | 90-110 | |
| | | | CCB | ppm | | 0.0001 | 0.01 | |
| Iron | 200.7 | | MS | ug/L | 4000 | 106 % | 75-125 | |
| | | (SP 1711065-004) | MSD | ug/L | 4000 | 112 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 5.7% | ≤20.0 | |
| | | | MS | ug/L | 4000 | 108 % | 75-125 | |
| | | (CC 1783491-001) | MSD | ug/L | 4000 | 113 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.7% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 5.000 | 109 % | 90-110 | |
| | | | CCB | ppm | | -0.0155 | 0.03 | |
| | | | CCV | ppm | 5.000 | 108 % | 90-110 | |
| | | | CCB | ppm | | -0.0120 | 0.03 | |
| | | | CCV | ppm | 5.000 | 109 % | 90-110 | |
| | | | CCB | ppm | | -0.0189 | 0.03 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <0.03 | |
| | | | LCS | mg/L | 4.000 | 114 % | 85-115 | |
| | | | MS | mg/L | 4.000 | 72.9 % | 75-125 | 435 |
| | | (SP 1711091-009) | MSD | mg/L | 4.000 | 95.8 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 5.9% | ≤20 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 5.000 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.0003 | 0.03 | |
| | | | CCV | ppm | 5.000 | 107 % | 90-110 | |
| | | | CCB | ppm | | 0.0012 | 0.03 | |
| Magnesium | 200.7 | | MS | mg/L | 12.00 | 101 % | 75-125 | |
| | | (SP 1711065-004) | MSD | mg/L | 12.00 | 105 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 0.9% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 104 % | 75-125 | |
| | | (CC 1783491-001) | MSD | mg/L | 12.00 | 106 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.5% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 25.00 | 106 % | 90-110 | |
| | | | CCB | ppm | | -0.0009 | 1 | |
| | | | CCV | ppm | 25.00 | 105 % | 90-110 | |
| | | | CCB | ppm | | 0.0002 | 1 | |
| | | | CCV | ppm | 25.00 | 105 % | 90-110 | |
| | | | CCB | ppm | | -0.002 | 1 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 108 % | 85-115 | |
| | | | MS | mg/L | 12.00 | 65.9 % | 75-125 | 435 |
| | | (SP 1711091-009) | MSD | mg/L | 12.00 | 93.5 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 7.4% | ≤20 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 25.00 | 99.0 % | 90-110 | |
| | | | CCB | ppm | | -0.0007 | 1 | |
| | | | CCV | ppm | 25.00 | 102 % | 90-110 | |
| | | | CCB | ppm | | -0.002 | 1 | |
| Manganese | 200.7 | | MS | ug/L | 800.0 | 108 % | 75-125 | |
| | | (SP 1711065-004) | MSD | ug/L | 800.0 | 112 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 2.9% | ≤20.0 | |
| | | | MS | ug/L | 800.0 | 108 % | 75-125 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Manganese | 200.7 | (CC 1783491-001) | MSD | ug/L | 800.0 | 111 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 2.8% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 1.000 | 107 % | 90-110 | |
| | | | CCB | ppm | | 0.00002 | 0.01 | |
| | | | CCV | ppm | 1.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.00005 | 0.01 | |
| | | | CCV | ppm | 1.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.00007 | 0.01 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <0.01 | |
| | | | LCS | mg/L | 0.8000 | 110 % | 85-115 | |
| | | | MS | mg/L | 0.8000 | 94.6 % | 75-125 | |
| | | (SP 1711091-009) | MSD | mg/L | 0.8000 | 101 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 4.9% | ≤20.0 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 1.000 | 100 % | 90-110 | |
| | | | CCB | ppm | | -0.00004 | 0.01 | |
| | | | CCV | ppm | 1.000 | 104 % | 90-110 | |
| | | | CCB | ppm | | -0.00002 | 0.01 | |
| Potassium | 200.7 | | MS | mg/L | 12.00 | 114 % | 75-125 | |
| | | (SP 1711065-004) | MSD | mg/L | 12.00 | 120 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 4.0% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 106 % | 75-125 | |
| | | (CC 1783491-001) | MSD | mg/L | 12.00 | 110 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 3.3% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 25.00 | 107 % | 90-110 | |
| | | | CCB | ppm | | 0.02 | 1 | |
| | | | CCV | ppm | 25.00 | 105 % | 90-110 | |
| | | | CCB | ppm | | 0.03 | 1 | |
| | | | CCV | ppm | 25.00 | 105 % | 90-110 | |
| | | | CCB | ppm | | 0.03 | 1 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 105 % | 85-115 | |
| | | | MS | mg/L | 12.00 | 91.4 % | 75-125 | |
| | | (SP 1711091-009) | MSD | mg/L | 12.00 | 102 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 7.1% | ≤20.0 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 25.00 | 98.1 % | 90-110 | |
| | | | CCB | ppm | | -0.02 | 1 | |
| | | | CCV | ppm | 25.00 | 102 % | 90-110 | |
| | | | CCB | ppm | | -0.02 | 1 | |
| Sodium | 200.7 | | MS | mg/L | 12.00 | 104 % | 75-125 | |
| | | (CC 1783491-001) | MSD | mg/L | 12.00 | 107 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.6% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 25.00 | 103 % | 90-110 | |
| | | | CCB | ppm | | -0.14 | 1 | |
| | | | CCV | ppm | 25.00 | 104 % | 90-110 | |
| | | | CCB | ppm | | -0.03 | 1 | |
| | 200.7 | | MS | mg/L | 12.00 | 108 % | 75-125 | |
| | | (CH 1776926-001) | MSD | mg/L | 12.00 | 99.8 % | 75-125 | |
| | | | MSRPD | mg/L | 800.0 | 2.2% | ≤20.0 | |
| | 200.7 | 09/15/17:213895AC | CCV | ppm | 25.00 | 99.1 % | 90-110 | |
| | | | CCB | ppm | | -0.04 | 1 | |
| | | | CCV | ppm | 25.00 | 100 % | 90-110 | |
| | | | CCB | ppm | | -0.12 | 1 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 104 % | 85-115 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Sodium | 200.7 | | MS | mg/L | 12.00 | 6.8 % | <¼ | |
| | | (SP 1711091-009) | MSD | mg/L | 12.00 | 82.9 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 8.7% | ≤20.0 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 25.00 | 97.3 % | 90-110 | |
| | | | CCB | ppm | | 0.02 | 1 | |
| | | | CCV | ppm | 25.00 | 99.8 % | 90-110 | |
| | | | CCB | ppm | | 0.11 | 1 | |
| Zinc | 200.7 | | MS | ug/L | 800.0 | 112 % | 75-125 | |
| | | (SP 1711065-004) | MSD | ug/L | 800.0 | 116 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.6% | ≤20.0 | |
| | | | MS | ug/L | 800.0 | 111 % | 75-125 | |
| | | (CC 1783491-001) | MSD | ug/L | 800.0 | 115 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 2.9% | ≤20.0 | |
| | 200.7 | 09/13/17:213855ac | CCV | ppm | 1.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.0005 | 0.02 | |
| | | | CCV | ppm | 1.000 | 107 % | 90-110 | |
| | | | CCB | ppm | | 0.0014 | 0.02 | |
| | | | CCV | ppm | 1.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.0014 | 0.02 | |
| | 200.7 | 10/10/17:211206amb | Blank | mg/L | | ND | <0.02 | |
| | | | LCS | mg/L | 0.8000 | 112 % | 85-115 | |
| | | | MS | mg/L | 0.8000 | 96.1 % | 75-125 | |
| | | (SP 1711091-009) | MSD | mg/L | 0.8000 | 100 % | 75-125 | |
| | | | MSRPD | mg/L | 4.000 | 3.8% | ≤20 | |
| | 200.7 | 10/11/17:215360AC | CCV | ppm | 1.000 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.00004 | 0.02 | |
| | | | CCV | ppm | 1.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | -0.0003 | 0.02 | |
| Aluminum | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | -0.1 | 10 | |
| | | | CCV | ppb | 120.0 | 96.4 % | 90-110 | |
| | | | CCB | ppb | | 0.007 | 10 | |
| | 200.8 | 10/03/17:214923AC | ICV | ppb | 120.0 | 95.2 % | 90-110 | |
| | | | ICB | ppb | | 0.7 | 10 | |
| | | | CCV | ppb | 120.0 | 95.6 % | 90-110 | |
| | | | CCB | ppb | | 0.5 | 10 | |
| | 200.8 | 10/04/17:214973AC | ICB | ppb | | 0.05 | 10 | |
| | | | ICV | ppb | 120.0 | 92.6 % | 90-110 | |
| | | | CCV | ppb | 120.0 | 95.0 % | 90-110 | |
| | | | CCB | ppb | | -0.1 | 10 | |
| Antimony | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.17 | 1 | |
| | | | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.21 | 1 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 98.4 % | 90-110 | |
| | | | CCB | ppb | | 0.71 | 1 | |
| | | | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.94 | 1 | |
| Arsenic | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 112 % | 90-110 | 360 |
| | | | CCB | ppb | | -0.001 | 2 | |
| | | | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.001 | 2 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.58 | 2 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Arsenic | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 103 % | 90-110 | |
| | | | CCB | ppb | | 0.32 | 2 | |
| Barium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.018 | 0.2 | |
| | | | CCV | ppb | 120.0 | 103 % | 90-110 | |
| | | | CCB | ppb | | 0.059 | 0.2 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 99.0 % | 90-110 | |
| | | | CCB | ppb | | -0.068 | 0.2 | |
| | | | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | -0.034 | 0.2 | |
| Beryllium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 111 % | 90-110 | 360 |
| | | | CCB | ppb | | -0.020 | 0.2 | |
| | | | CCV | ppb | 120.0 | 99.5 % | 90-110 | |
| | | | CCB | ppb | | -0.015 | 0.2 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 100 % | 90-110 | |
| | | | CCB | ppb | | -0.022 | 0.2 | |
| | | | CCV | ppb | 120.0 | 96.3 % | 90-110 | |
| | | | CCB | ppb | | -0.011 | 0.2 | |
| Cadmium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 110 % | 90-110 | |
| | | | CCB | ppb | | 0.006 | 0.2 | |
| | | | CCV | ppb | 120.0 | 107 % | 90-110 | |
| | | | CCB | ppb | | 0.031 | 0.2 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 99.3 % | 90-110 | |
| | | | CCB | ppb | | 0.023 | 0.2 | |
| | | | CCV | ppb | 120.0 | 103 % | 90-110 | |
| | | | CCB | ppb | | 0.008 | 0.2 | |
| Chromium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 108 % | 90-110 | |
| | | | CCB | ppb | | 0.006 | 1 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | -0.004 | 1 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 98.5 % | 90-110 | |
| | | | CCB | ppb | | -0.07 | 1 | |
| | | | CCV | ppb | 120.0 | 100 % | 90-110 | |
| | | | CCB | ppb | | -0.06 | 1 | |
| Copper | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 110 % | 90-110 | |
| | | | CCB | ppb | | 0.040 | 0.5 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.094 | 0.5 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.007 | 0.5 | |
| | | | CCV | ppb | 120.0 | 99.1 % | 90-110 | |
| | | | CCB | ppb | | 0.043 | 0.5 | |
| Lead | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | -0.043 | 0.5 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.029 | 0.5 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 99.1 % | 90-110 | |
| | | | CCB | ppb | | 0.004 | 0.5 | |
| | | | CCV | ppb | 120.0 | 98.0 % | 90-110 | |
| | | | CCB | ppb | | 0.01 | 0.5 | |
| Nickel | 200.8 | 09/20/17:214239AC | CCV | ppb | 120.0 | 99.4 % | 90-110 | |
| | | | CCB | ppb | | 0.008 | 1 | |
| | | | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.008 | 1 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Nickel | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 103 % | 90-110 | |
| | | | CCB | ppb | | -0.01 | 1 | |
| | | | CCV | ppb | 120.0 | 100 % | 90-110 | |
| | | | CCB | ppb | | 0.02 | 1 | |
| Selenium | 200.8 | 09/20/17:214239AC | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.07 | 1 | |
| | | | CCV | ppb | 120.0 | 108 % | 90-110 | |
| | | | CCB | ppb | | 0.06 | 1 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 109 % | 90-110 | |
| | | | CCB | ppb | | 0.16 | 1 | |
| | | | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.26 | 1 | |
| Silver | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.0040 | 0.25 | |
| | | | CCV | ppb | 120.0 | 100 % | 90-110 | |
| | | | CCB | ppb | | 0.0280 | 0.25 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 97.7 % | 90-110 | |
| | | | CCB | ppb | | -0.0190 | 0.25 | |
| | | | CCV | ppb | 120.0 | 99.0 % | 90-110 | |
| | | | CCB | ppb | | -0.0500 | 0.25 | |
| Thallium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.004 | 0.2 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.037 | 0.2 | |
| | 200.8 | 10/01/17:214759AC | CCV | ppb | 120.0 | 97.8 % | 90-110 | |
| | | | CCB | ppb | | 0.003 | 0.2 | |
| | | | CCV | ppb | 120.0 | 96.8 % | 90-110 | |
| | | | CCB | ppb | | 0.013 | 0.2 | |
| Mercury | 245.1 | 09/29/17:211748ac | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.2000 | 99.4 % | 85-115 | |
| | | | MS | ug/L | 0.2000 | 93.5 % | 75-125 | |
| | | (SP 1711091-001) | MSD | ug/L | 0.2000 | 95.8 % | 75-125 | |
| | | | MSRPD | ug/L | 0.2000 | 2.4% | ≤20 | |
| | 245.1 | 09/29/17:214696AC | CCV | ppt | 200.0 | 107 % | 90-110 | |
| | | | CCB | ppt | | -6.4 | 20 | |
| | | | CCV | ppt | 200.0 | 106 % | 90-110 | |
| | | | CCB | ppt | | -6.7 | 20 | |
| | | | CCV | ppt | 200.0 | 106 % | 90-110 | |
| | | | CCB | ppt | | -6.7 | 20 | |
| Aluminum | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 40.00 | 100 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 68.8 % | 75-125 | 435 |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 93.3 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 10.8% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 85.0 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 40.00 | 111 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 199 % | 75-125 | 435 |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 226 % | 75-125 | 435 |
| | | | MSRPD | ug/L | 40.00 | 7.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 169 % | 75-125 | 430 |
| Antimony | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 104 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 104 % | 75-125 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Antimony | 3010 | (CC 1783488-001) | MSD | ug/L | 40.00 | 101 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.8% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 102 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 102 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 132 % | 75-125 | 435 |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 135 % | 75-125 | 435 |
| | | | MSRPD | ug/L | 40.00 | 2.9% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 128 % | 75-125 | 430 |
| Arsenic | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 88.3 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 87.9 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 0.4% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 88.3 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 112 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 108 % | 75-125 | |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 105 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 3.2% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 98.0 % | 75-125 | |
| Barium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 111 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 110 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 5.1% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 109 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 106 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 148 % | 75-125 | 435 |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 144 % | 75-125 | 435 |
| | | | MSRPD | ug/L | 40.00 | 1.7% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 130 % | 75-125 | 430 |
| Beryllium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 98.4 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 87.4 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 89.1 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.0% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 88.3 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 105 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 123 % | 75-125 | |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 116 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 6.1% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 107 % | 75-125 | |
| Cadmium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 114 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 101 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.5 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.1% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 99.1 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 106 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 129 % | 75-125 | 435 |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Cadmium | 3010 | (CC 1783702-001) | MSD | ug/L | 40.00 | 130 % | 75-125 | 435 |
| | | | MSRPD | ug/L | 40.00 | 0.9% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 121 % | 75-125 | |
| Chromium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.7 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 98.6 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 106 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 193 % | <¼ | |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 146 % | <¼ | |
| | | | MSRPD | ug/L | 40.00 | 4.5% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 119 % | 75-125 | |
| Copper | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 97.3 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 95.7 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 95.8 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 110 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 140 % | 75-125 | 435 |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 130 % | 75-125 | 435 |
| | | | MSRPD | ug/L | 40.00 | 5.3% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 117 % | 75-125 | |
| Lead | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 104 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 101 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.5% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 101 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 106 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 141 % | 75-125 | 435 |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 137 % | 75-125 | 435 |
| | | | MSRPD | ug/L | 40.00 | 3.2% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 127 % | 75-125 | 430 |
| Nickel | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 110 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.8 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 99.2 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 111 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 138 % | 75-125 | 435 |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 131 % | 75-125 | 435 |
| | | | MSRPD | ug/L | 40.00 | 5.0% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 121 % | 75-125 | |
| Selenium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 108 % | 80-120 | |
| | | | MS | ug/L | 40.00 | 85.1 % | 75-125 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Selenium | 3010 | (CC 1783488-001) | MSD | ug/L | 40.00 | 84.5 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 0.7% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 85.1 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 118 % | 80-120 | |
| | | | MS | ug/L | 40.00 | 122 % | 75-125 | |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 114 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 7.1% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 105 % | 75-125 | |
| Silver | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.25 | |
| | | | LCS | ug/L | 40.00 | 107 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 94.1 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 91.6 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.7% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 92.3 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <0.25 | |
| | | | LCS | ug/L | 40.00 | 106 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 123 % | 75-125 | |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 122 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.3% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 113 % | 75-125 | |
| Thallium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 103 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 100 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 101 % | 75-125 | |
| | 3010 | 09/29/17:211712amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 105 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 139 % | 75-125 | 435 |
| | | (CC 1783702-001) | MSD | ug/L | 40.00 | 135 % | 75-125 | 435 |
| | | | MSRPD | ug/L | 40.00 | 3.0% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 126 % | 75-125 | 430 |
| **Wet Chem** | | | | | | | | |
| Oil and Grease | 1664A | 09/19/17:211254AMM | Blank | mg/L | | ND | <3 | |
| | | | LCS | mg/L | 44.89 | 90.3 % | 78-114 | |
| | | | BS | mg/L | 44.89 | 78.1 % | 78-114 | |
| | | | BSD | mg/L | 44.89 | 73.6 % | 78-114 | 436 |
| | | | BSRPD | mg/L | 44.89 | 5.8% | ≤18 | |
| Color | 2120B | (SP 1711169-001) | Dup | units | | 0.0 | 5 | |
| | 2120B | 09/14/17:213913jmg | CCB | units | | 0.00 | 5.0 | |
| | | | CCV | units | 10.00 | 100 % | 90-110 | |
| Turbidity | 2130B | (SP 1711023-001) | Dup | NTU | | 0.010 | 0.1 | |
| | | (CC 1783502-001) | Dup | NTU | | 0.0% | 20 | |
| | 2130B | 09/13/17:213883jba | CCV | NTU | 10.00 | 103 % | 90-110 | |
| | | | CCB | NTU | | 0.087 | 0.1 | |
| | | | CCV | NTU | 10.00 | 103 % | 90-110 | |
| | | | CCB | NTU | | 0.096 | 0.1 | |
| | | | CCV | NTU | 10.00 | 103 % | 90-110 | |
| | | | CCB | NTU | | 0.094 | 0.1 | |
| Odor | 2150B | (SP 1711091-001) | Dup | TON | | 0.0 | 1 | |
| Chromium VI | 218.6 | 09/18/17:211232JDD | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 2.000 | 100 % | 90-110 | |
| | | | MS | ug/L | 2.000 | 78.2 % | 75-125 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Chromium VI | 218.6 | (STK1751572-001) | MSD | ug/L | 2.000 | 92.9 % | 75-125 | |
| | | | MSRPD | ug/L | 2.000 | 2.8% | ≤20 | |
| | | | MS | ug/L | 2.000 | 104 % | 75-125 | |
| | | (CH 1777845-001) | MSD | ug/L | 2.000 | 106 % | 75-125 | |
| | | | MSRPD | ug/L | 2.000 | 1.8% | ≤20 | |
| | 218.6 | 09/18/17:214067JDD | ICB | ppb | | 0.000 | 0.1 | |
| | | | ICV | ppb | 5.000 | 98.1 % | 95-105 | |
| | | | CCB | ppb | | 0.000 | 0.1 | |
| | | | CCV | ppb | 5.000 | 102 % | 95-105 | |
| | | | CCB | ppb | | 0.000 | 0.1 | |
| | | | CCV | ppb | 5.000 | 101 % | 95-105 | |
| Alkalinity (as CaCO3) | 2320B | (CC 1783495-001) | Dup | mg/L | | 2.1% | 10 | |
| | 2320B | 09/13/17:213806AMB | CCV | mg/L | 234.9 | 90.4 % | 90-110 | |
| | | | CCV | mg/L | 234.9 | 94.1 % | 90-110 | |
| Bicarbonate | 2320B | (CC 1783495-001) | Dup | mg/L | | 2.1% | 10 | |
| Carbonate | 2320B | (CC 1783495-001) | Dup | mg/L | | 0.0 | 10 | |
| Hydroxide | 2320B | (CC 1783495-001) | Dup | mg/L | | 0.0 | 10 | |
| Conductivity | 2510B | 09/13/17:213728JMG | ICB | umhos/cm | | 0.60 | 1 | |
| | | | CCV | umhos/cm | 998.0 | 104 % | 95-105 | |
| | | | CCV | umhos/cm | 998.0 | 105 % | 95-105 | |
| E. C. | 2510B | 09/13/17:210968jmg | Blank | umhos/cm | | ND | <1 | |
| | | (SP 1711065-004) | Dup | umhos/cm | | 0.06% | 5 | |
| Total Dissolved Solids (TFR) | 2540CE | 09/14/17:211058CTL | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 997.3 | 98.7 % | 90-110 | |
| | | (CC 1783503-001) | Dup | mg/L | | 4.9% | 5 | |
| | | (CC 1783520-001) | Dup | mg/L | | 0.8% | 5 | |
| Solids, Suspended | 2540D | 09/15/17:211211jba | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 50.14 | 102 % | 61-112 | |
| | | | LCS | mg/L | 50.14 | 104 % | 61-112 | |
| | | (CH 1777652-002) | Dup | mg/L | | 11.7% | 20 | |
| | | (CH 1777914-002) | Dup | mg/L | | 2.5% | 20 | |
| Chloride | 300.0 | 09/12/17:210989mca | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 25.00 | 107 % | 90-110 | |
| | | | MS | mg/L | 50.00 | 100 % | 85-121 | |
| | | (CC 1783489-001) | MSD | mg/L | 50.00 | 101 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 0.8% | ≤19 | |
| | 300.0 | 09/13/17:213765MCA | CCB | mg/L | | 0.10 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.00 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| Fluoride | 300.0 | 09/12/17:210989mca | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 2.500 | 107 % | 90-110 | |
| | | | MS | mg/L | 5.000 | 104 % | 87-120 | |
| | | (CC 1783489-001) | MSD | mg/L | 5.000 | 106 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 1.0% | ≤16 | |
| | 300.0 | 09/13/17:213765MCA | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 107 % | 90-110 | |
| Nitrate | 300.0 | 09/12/17:210989mca | Blank | mg/L | | ND | <1.8 | |
| | | | LCS | mg/L | 20.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 40.00 | 105 % | 85-119 | |
| | | (CC 1783489-001) | MSD | mg/L | 40.00 | 106 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 1.0% | ≤19 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Nitrate | 300.0 | 09/13/17:213765MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 107 % | 90-110 | |
| Nitrite | 300.0 | 09/12/17:210989mca | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 15.00 | 106 % | 90-110 | |
| | | | MS | mg/L | 30.00 | 105 % | 74-126 | |
| | | (CC 1783489-001) | MSD | mg/L | 30.00 | 106 % | 74-126 | |
| | | | MSRPD | mg/L | 10.00 | 1.2% | ≤20 | |
| | 300.0 | 09/13/17:213765MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 15.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 15.00 | 107 % | 90-110 | |
| Sulfate | 300.0 | 09/12/17:210989mca | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 50.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 100.0 | 91.0 % | 82-124 | |
| | | (CC 1783489-001) | MSD | mg/L | 100.0 | 92.0 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 0.6% | ≤23 | |
| | 300.0 | 09/13/17:213765MCA | CCB | mg/L | | 0.157 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| | | | CCB | mg/L | | 0.293 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| | | | CCB | mg/L | | 0.277 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| | | | CCB | mg/L | | 0.154 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| Perchlorate | 314.0 | 09/13/17:211062mca | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 25.00 | 102 % | 85-115 | |
| | | | MS | ug/L | 25.00 | 87.6 % | 80-120 | |
| | | (CC 1783458-001) | MSD | ug/L | 25.00 | 85.2 % | 80-120 | |
| | | | MSRPD | ug/L | 25.00 | 2.7% | ≤15 | |
| | 314.0 | 09/13/17:213878MCA | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 101 % | 85-115 | |
| | | | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 97.1 % | 85-115 | |
| | | | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 97.8 % | 85-115 | |
| | | | ICB | ppb | | 0.00 | 2.0 | |
| | | | ICV | ppb | 2.000 | 107 % | 85-115 | |
| Nitrogen, Total Kjeldahl | 351.2 | 09/22/17:211401jmg | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 74.4 % | 73-124 | |
| | | | MS | mg/L | 12.00 | 30.0 % | 54-136 | 435 |
| | | (SP 1711091-001) | MSD | mg/L | 12.00 | 43.9 % | 54-136 | 435 |
| | | | MSRPD | mg/L | 12.00 | 1.7 | ≤1 | 435 |
| Chlorine | 4500ClG | 10/09/17:215175AMM | CCV | mg/L | 0.9937 | 106 % | 90-110 | |
| | | | CCB | mg/L | | -0.019 | 0.1 | |
| | | | CCV | mg/L | 0.9937 | 107 % | 90-110 | |
| | | | CCB | mg/L | | -0.015 | 0.1 | |
| Chlorine, Residual | 4500ClG | (VI 1744426-001) | Dup | mg/L | | 0.0082 | 0.1 | |
| Cyanide | 4500CNCE | 09/17/17:213965AMM | CCV | mg/L | 0.1000 | 107 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| | | | CCV | mg/L | 0.1000 | 107 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| | 4500CNCE | 09/21/17:214193AMM | CCV | mg/L | 0.1000 | 97.8 % | 90-110 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Cyanide | 4500CNCE | 09/21/17:214193AMM | CCB | mg/L | | -0.00102 | 0.004 | |
| | | | CCV | mg/L | 0.1000 | 97.2 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| Cyanide, Total | 4500CNCE | 09/16/17:211152AMM | Blank | mg/L | | ND | <0.004 | |
| | | | LCS | mg/L | 0.1000 | 105 % | 90-110 | |
| | | | LCS | mg/L | 0.4000 | 102 % | 90-110 | |
| | | | MS | mg/L | 0.05000 | 132 % | 26-226 | |
| | | (STK1751353-002) | MSD | mg/L | 0.05000 | 129 % | 26-226 | |
| | | | MSRPD | mg/L | 0.05000 | 2.6% | ≤36 | |
| | 4500CNCE | 09/20/17:211253AMM | Blank | mg/L | | ND | <0.004 | |
| | | | LCS | mg/L | 0.1000 | 107 % | 90-110 | |
| | | | LCS | mg/L | 0.4000 | 105 % | 90-110 | |
| | | | MS | mg/L | 0.05000 | 137 % | 26-226 | |
| | | (SP 1711091-003) | MSD | mg/L | 0.05000 | 132 % | 26-226 | |
| | | | MSRPD | mg/L | 0.05000 | 3.4% | ≤36 | |
| Ammonia Nitrogen | 4500NH3G | | MS | mg/L | 2.000 | 131 % | 70-130 | 435 |
| | | (STK1751678-002) | MSD | mg/L | 2.000 | 121 % | 70-130 | |
| | | | MSRPD | mg/L | 2.000 | 6.3% | ≤20 | |
| | | | MS | mg/L | 2.000 | 125 % | 70-130 | |
| | | (SP 1711132-002) | MSD | mg/L | 2.000 | 123 % | 70-130 | |
| | | | MSRPD | mg/L | 2.000 | 1.4% | ≤20 | |
| | 4500NH3G | 09/15/17:213889AMB | CCB | mg/L | | -0.112 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 103 % | 90-110 | |
| | | | CCB | mg/L | | -0.140 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 105 % | 90-110 | |
| | | | CCB | mg/L | | -0.071 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 105 % | 90-110 | |
| | | | CCB | mg/L | | -0.082 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 106 % | 90-110 | |
| Nitrite as Nitrogen | 4500NO2F | | MS | mg/L | 1.218 | 102 % | 50-150 | |
| | | (SP 1711051-001) | MSD | mg/L | 1.218 | 106 % | 50-150 | |
| | | | MSRPD | mg/L | 1.218 | 4.2% | ≤30 | |
| Nitrate + Nitrite as N | 4500NO3F | | MS | mg/L | 28.04 | 38.6 % | 5-285 | |
| | | (SP 1711051-001) | MSD | mg/L | 28.04 | 39.4 % | 5-285 | |
| | | | MSRPD | mg/L | 28.04 | 1.4% | ≤30.4 | |
| | 4500NO3F | 09/13/17:213823JDD | CCB | mg/L | | 0.080 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 98.3 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 99.6 % | 90-110 | |
| Nitrite as Nitrogen | 4500NO3F | 09/13/17:213776JDD | CCB | mg/L | | 0.0100 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 104 % | 90-110 | |
| | | | CCB | mg/L | | 0.01100 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 103 % | 90-110 | |
| Phosphorus | 4500-P B | 09/18/17:211220sjn | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 100 % | 90-116 | |
| | | | MS | mg/L | 0.2800 | 327 % | <¼ | |
| | | (VI 1744664-001) | MSD | mg/L | 0.2800 | 255 % | 25-292 | |
| | | | MSRPD | mg/L | 0.2800 | 3.4% | ≤13.2 | |
| Total Phosphorus | 4500PE | 09/19/17:214040SJN | CCB | mg/L | | -0.012 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 101 % | 90-110 | |
| | | | CCB | mg/L | | -0.005 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 97.4 % | 90-110 | |
| BOD | 5210B | 09/13/17:211011kmm | RgBlk | mg/L | | -0.1 | 2 | |
| | | | LCS | mg/L | 198.0 | 108 % | 84.6-115 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| BOD | 5210B | (CH 1777652-002) | Dup | mg/L | | 8.4% | 15.9 | |
| | | (CH 1777652-002) | Dup | mg/L | | 4.0% | 15.9 | |
| | 5210B | 09/18/17:214028KMM | CCV | mg/L | 1.000 | 102 % | 80-120 | |
| | | | CCV | mg/L | 1.000 | 101 % | 80-120 | |
| MBAS | 5540C | 09/13/17:213905jba | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 110 % | 90-110 | |
| | | | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 109 % | 90-110 | |
| MBAS Extraction | 5540C | 09/13/17:211108jba | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 109 % | 86-114 | |
| | | | BS | mg/L | 0.5000 | 103 % | 86-114 | |
| | | | BSD | mg/L | 0.5000 | 106 % | 86-114 | |
| | | | BSRPD | mg/L | 0.5000 | 2.2% | ≤5 | |
| Nitrogen, Total Kjeldahl | EPA351.2 | 09/26/17:214442AMB | CCB | mg/L | | -0.313 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 91.8 % | 90-110 | |
| | | | CCB | mg/L | | -0.227 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 103 % | 90-110 | |

**Definition**

| | |
|---|---|
| PDS | : PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery. |
| ICV | : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| ICB | : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| RgBlk | : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| Dup | : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| <¼ | : High Sample Background - Spike concentration was less than one forth of the sample concentration. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

**Explanation**

| | |
|---|---|
| 360 | : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 430 | : Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery. |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 436 | : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Radio

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Radio** | | | | | | | | |
| Alpha | 900.0 | 09/25/17:214615aat | CCV | cpm | 8687 | 41.0 % | 35-47 | |
| | | | CCB | cpm | | 0.100 | 0.16 | |
| | 900.0 | 09/26/17:214306aat | CCV | cpm | 8686 | 41.2 % | 35-47 | |
| | | | CCB | cpm | | 0.0400 | 0.12 | |
| | 900.0 | 09/26/17:214618aat | CCV | cpm | 8685 | 41.4 % | 35-47 | |
| | | | CCB | cpm | | 0.1400 | 0.18 | |
| Beta | 900.0 | 09/25/17:214615aat | CCV | cpm | 8687 | 87.4 % | 83-94 | |
| | | | CCB | cpm | | 0.4400 | 0.58 | |
| | 900.0 | 09/26/17:214306aat | CCV | cpm | 8686 | 90.2 % | 83-94 | |
| | | | CCB | cpm | | 0.8400 | 1.03 | |
| | 900.0 | 09/26/17:214618aat | CCV | cpm | 8685 | 88.8 % | 83-94 | |
| | | | CCB | cpm | | 0.4600 | 0.48 | |
| Gross Alpha | 900.0 | 09/25/17:211467aat | Blank | pCi/L | | 0.28 | 3 | |
| | | | LCS | pCi/L | 108.2 | 114 % | 75-125 | |
| | | | MS | pCi/L | 108.2 | 122 % | 60-140 | |
| | | (STK1752154-001) | MSD | pCi/L | 108.2 | 137 % | 60-140 | |
| | | | MSRPD | pCi/L | 108.2 | 10.5% | ≤30 | |
| Gross Beta | 900.0 | 09/25/17:211467aat | Blank | pCi/L | | 1.31 | 4 | |
| | | | LCS | pCi/L | 71.25 | 121 % | 84-160 | |
| | | | MS | pCi/L | 71.25 | 86.9 % | 80-130 | |
| | | (STK1752154-001) | MSD | pCi/L | 71.25 | 81.5 % | 80-130 | |
| | | | MSRPD | pCi/L | 108.2 | 5.9% | ≤30 | |
| Alpha | 903.0 | 09/26/17:214502emv | CCV | cpm | 8312 | 41.0 % | 37-46 | |
| | | | CCB | cpm | | 0.1200 | 0.16 | |
| Total Alpha Radium (226) | 903.0 | 09/19/17:211287emv | RgBlk | pCi/L | | 0.03 | 2 | |
| | | | LCS | pCi/L | 21.85 | 51.9 % | 52-107 | |
| | | | BS | pCi/L | 21.85 | 44.6 % | 43-111 | |
| | | | BSD | pCi/L | 21.85 | 34.4 % | 43-111 | 436 |
| | | | BSRPD | pCi/L | 21.85 | 2.2 | ≤2 | 410 |
| Tritium | 906.0 | 09/16/17:211140elc | Blank | pCi/L | | 97 | 300 | |
| | | | LCS | pCi/L | 1652 | 124 % | 75-125 | |
| | | | BS | pCi/L | 1652 | 110 % | 75-125 | |
| | | | BSD | pCi/L | 1652 | 112 % | 75-125 | |
| | | | BSRPD | pCi/L | 1652 | 1.6% | ≤25 | |
| | 906.0 | 09/16/17:213990elc | CCV | pCi/L | 28450 | 103 % | 90-110 | |
| | | | CCB | pCi/L | | 9 | 500 | |
| Alpha | 908.0 | 09/29/17:214757aat | CCV | cpm | 8310 | 39.9 % | 36-45 | |
| | | | CCB | cpm | | 0.100 | 0.16 | |
| Uranium | 908.0 | 09/25/17:211488rmm | RgBlk | pCi/L | | 0.55 | 1 | |
| | | | LRS | pCi/L | 21.48 | 78.7 % | 54-105 | |
| | | | BS | pCi/L | 21.48 | 121 % | 75-125 | |
| | | | BSD | pCi/L | 21.48 | 104 % | 75-125 | |
| | | | BSRPD | pCi/L | 21.48 | 15.0% | ≤20 | |
| Beta | Ra - 05 | 10/03/17:215051emv | CCV | cpm | 8680 | 88.2 % | 84-94 | |
| | | | CCB | cpm | | 0.3800 | 0.58 | |
| | Ra - 05 | 10/03/17:215052emv | CCV | cpm | 8680 | 89.3 % | 84-94 | |
| | | | CCB | cpm | | 0.4200 | 0.51 | |
| Ra 228 | Ra - 05 | 10/01/17:211450emv | RgBlk | pCi/L | | -0.03 | 3 | |
| | | | LRS | pCi/L | 36.28 | 80.5 % | 65-108 | |
| | | | BS | pCi/L | 36.28 | 92.1 % | 75-125 | |
| | | | BSD | pCi/L | 36.28 | 95.9 % | 75-125 | |
| | | | BSRPD | pCi/L | 36.28 | 4.1% | ≤25 | |

October 11, 2017 Lab ID : SP 1711091
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Radio

| **Definition** | |
|---|---|
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| RgBlk | : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| LRS | : Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

| **Explanation** | |
|---|---|
| 410 | : Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 436 | : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |

September 22, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711091**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-EPA 547

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-22

Enclosure

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711091 - (2-25173)

**Work Order Number: B7I1282**
Received on Ice (Y/N): Yes Temp: 9 °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 |
|---|---|---|---|---|---|---|
| B7I1282-01 | SMBRP-9 Grab | Water | 09/12/17 11:50 | Matt P./Ryan S | 09/14/17 13:25 | Courier (GSO) |
| B7I1282-02 | MCWP-MW07S Grab | Water | 09/12/17 10:12 | Matt P./Ryan S | 09/14/17 13:25 | Courier (GSO) |
| B7I1282-03 | LAMW-5S Grab | Water | 09/12/17 9:00 | Matt P./Ryan S | 09/14/17 13:25 | Courier (GSO) |

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711091 - (2-25173)

**Work Order Number: B7I1282**
Received on Ice (Y/N): Yes Temp: 9 °C

Laboratory Reference Number
**B7I1282-01**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| SMBRP-9 | Water | 09/12/17 11:50 | 09/14/17 13:25 |

| Analyte(s) | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|
| Glyphosate by EPA 547 | | | | | | | |
| Glyphosate | ND | 25 | ug/L | EPA 547 | 09/18/17 19:13 | JHR | |

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711091 - (2-25173)

**Work Order Number: B7I1282**
Received on Ice (Y/N): Yes Temp: 9 °C

Laboratory Reference Number
**B7I1282-02**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| MCWP-MW07S | Water | 09/12/17 10:12 | 09/14/17 13:25 |

| Analyte(s) | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|
| Glyphosate by EPA 547 | | | | | | | |
| Glyphosate | ND | 25 | ug/L | EPA 547 | 09/18/17 19:30 | JHR | |

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711091 - (2-25173)

**Work Order Number: B7I1282**
Received on Ice (Y/N): Yes Temp: 9 °C

Laboratory Reference Number
**B7I1282-03**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| LAMW-5S | Water | 09/12/17 09:00 | 09/14/17 13:25 |

| Analyte(s) | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|
| Glyphosate by EPA 547 | | | | | | | |
| Glyphosate | ND | 25 | ug/L | EPA 547 | 09/18/17 19:47 | JHR | |

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711091 - (2-25173)

**Work Order Number: B7I1282**
Received on Ice (Y/N): Yes Temp: 9 °C

## Glyphosate by EPA 547 - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 7I18133 - None** | | | | | | | | | | |
| **Blank (7I18133-BLK1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | ND | 25 | ug/L | | | | | | | |
| **LCS (7I18133-BS1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 92.3 | 25 | ug/L | 100 | | 92.3 | 80-120 | | | |
| **LCS Dup (7I18133-BSD1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 177 | 25 | ug/L | 200 | | 88.3 | 80-120 | 4.40 | 40 | |
| **Matrix Spike (7I18133-MS1)** | | **Source: B7I1081-01** | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 91.3 | 25 | ug/L | 100 | ND | 91.3 | 66-126 | | | |
| **Matrix Spike (7I18133-MS2)** | | **Source: B7I1083-01** | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 93.4 | 25 | ug/L | 100 | ND | 93.4 | 66-126 | | | |

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711091 - (2-25173)

**Work Order Number: B7I1282**
Received on Ice (Y/N): Yes Temp: 9 °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

* / (Non-NELAP): 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.



**Nancy H. Boulineau For Cindy A. Waddell**

cc:

e-Standard_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

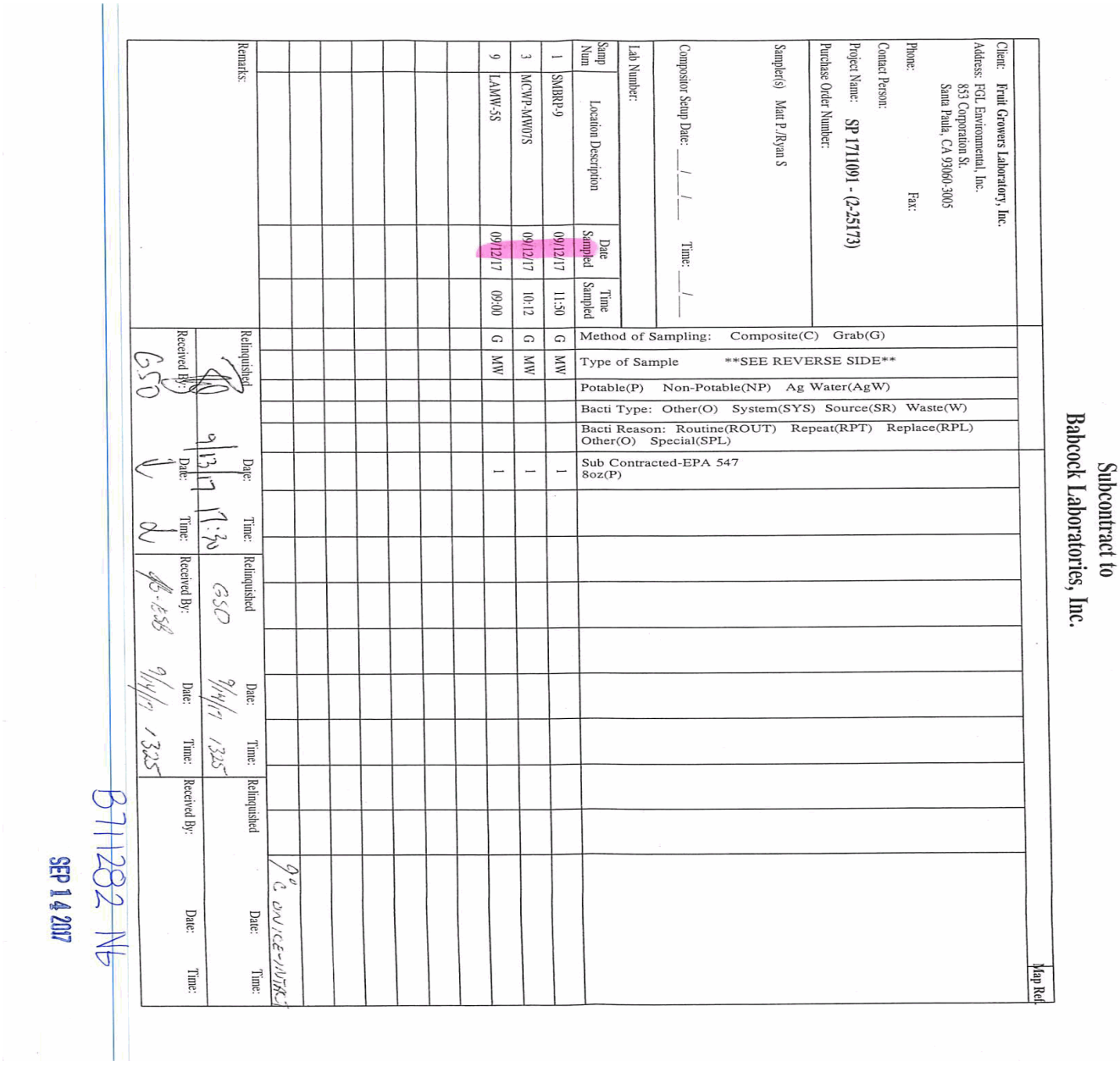
BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711091 - (2-25173)

**Work Order Number: B7I1282**
Received on Ice (Y/N): Yes Temp: 9 °C



Subcontract to
Babcock Laboratories, Inc.

Client: Fruit Growers Laboratory, Inc.
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: SP 1711091 - (2-25173)
Purchase Order Number:
Sampler(s) Matt P./Ryan S
Lab Number:
Compositor Setup Date: __/__/__ Time: __/__

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-EPA 547 8oz(P) | Map Ref |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SMBRP-9 | 09/12/17 | 11:50 | G | MW | | | | 1 | |
| 3 | MCWP-MW07S | 09/12/17 | 10:12 | G | MW | | | | 1 | |
| 9 | LAMW-5S | 09/12/17 | 09:00 | G | MW | | | | 1 | |

Remarks:

Relinquished / Date: 9/13/17 / Time: 17:30 — Received By: GSO / Date: 9/14/17 / Time: 1325
Relinquished / Date: 9/14/17 / Time: 1325 — Received By: [illegible] / Date: / Time:
Relinquished / Date: / Time: — Received By: / Date: / Time:

9° C on ice-NTR

B7I1282 NB

SEP 14 2017

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

September 25, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711091**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Bromate,Chlorite, Low-Level

Please note that this analysis was performed by Test America - Irvine (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-25

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-192231-1
Client Project/Site: SP 1711091 - (2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

*Authorized for release by:*
*9/25/2017 3:25:16 PM*

Janice Hsu, Project Manager I
(949)261-1022
janice.hsu@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 2
Sample Summary . . . . . 3
Case Narrative . . . . . 4
Client Sample Results . . . . . 5
Method Summary . . . . . 6
Lab Chronicle . . . . . 7
QC Sample Results . . . . . 8
QC Association Summary . . . . . 10
Definitions/Glossary . . . . . 11
Certification Summary . . . . . 12
Chain of Custody . . . . . 13
Receipt Checklists . . . . . 14

# Sample Summary

Client: FGL Environmental
Project/Site: SP 1711091 - (2-25173)

TestAmerica Job ID: 440-192231-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 440-192231-1 | SMBRP-9 | Water | 09/12/17 11:50 | 09/14/17 08:40 |
| 440-192231-2 | MCWP-MW07S | Water | 09/12/17 10:12 | 09/14/17 08:40 |
| 440-192231-3 | LAMW-5S | Water | 09/12/17 09:00 | 09/14/17 08:40 |

## Job ID: 440-192231-1

### Laboratory: TestAmerica Irvine

**Narrative**

**Job Narrative**
**440-192231-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 9/14/2017 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

**HPLC/IC**
Method(s) 300.1B: The following sample was diluted for the chlorite analyte due to the nature of the sample matrix: SMBRP-9 (440-192231-1). Elevated reporting limits (RLs) are provided.

Method(s) 300.1B: The following samples were diluted for the bromate analyte due to the nature of the sample matrix: SMBRP-9 (440-192231-1), MCWP-MW07S (440-192231-2) and LAMW-5S (440-192231-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FGL Environmental
Project/Site: SP 1711091 - (2-25173)

TestAmerica Job ID: 440-192231-1

## Client Sample ID: SMBRP-9

**Lab Sample ID: 440-192231-1**
**Date Collected: 09/12/17 11:50**
**Matrix: Water**
**Date Received: 09/14/17 08:40**

### Method: 300.1B - Disinfection By-Products, (IC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 25 | 13 | ug/L | | | 09/15/17 13:59 | 5 |
| Chlorite | ND | | 100 | 50 | ug/L | | | 09/15/17 13:59 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *99* | | *90 - 115* | | *09/15/17 13:59* | *5* |
| *Dichloroacetic acid(Surr)* | *99* | | *90 - 115* | | *09/15/17 13:59* | *5* |

## Client Sample ID: MCWP-MW07S

**Lab Sample ID: 440-192231-2**
**Date Collected: 09/12/17 10:12**
**Matrix: Water**
**Date Received: 09/14/17 08:40**

### Method: 300.1B - Disinfection By-Products, (IC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 25 | 13 | ug/L | | | 09/15/17 14:36 | 5 |
| Chlorite | ND | | 20 | 10 | ug/L | | | 09/15/17 21:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *99* | | *90 - 115* | | *09/15/17 21:51* | *1* |
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* | | *09/15/17 14:36* | *5* |

## Client Sample ID: LAMW-5S

**Lab Sample ID: 440-192231-3**
**Date Collected: 09/12/17 09:00**
**Matrix: Water**
**Date Received: 09/14/17 08:40**

### Method: 300.1B - Disinfection By-Products, (IC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 25 | 13 | ug/L | | | 09/15/17 15:12 | 5 |
| Chlorite | ND | | 20 | 10 | ug/L | | | 09/15/17 22:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* | | *09/15/17 22:27* | *1* |
| *Dichloroacetic acid(Surr)* | *101* | | *90 - 115* | | *09/15/17 15:12* | *5* |

# Method Summary

Client: FGL Environmental
Project/Site: SP 1711091 - (2-25173)

TestAmerica Job ID: 440-192231-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 300.1B | Disinfection By-Products, (IC) | EPA | TAL IRV |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

# Lab Chronicle

Client: FGL Environmental
Project/Site: SP 1711091 - (2-25173)

TestAmerica Job ID: 440-192231-1

## Client Sample ID: SMBRP-9

**Lab Sample ID: 440-192231-1**

**Date Collected: 09/12/17 11:50**

**Matrix: Water**

**Date Received: 09/14/17 08:40**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.1B | | 5 | | | 429114 | 09/15/17 13:59 | YZ | TAL IRV |
| Total/NA | Analysis | 300.1B | | 5 | | | 429115 | 09/15/17 13:59 | YZ | TAL IRV |

## Client Sample ID: MCWP-MW07S

**Lab Sample ID: 440-192231-2**

**Date Collected: 09/12/17 10:12**

**Matrix: Water**

**Date Received: 09/14/17 08:40**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.1B | | 5 | | | 429114 | 09/15/17 14:36 | YZ | TAL IRV |
| Total/NA | Analysis | 300.1B | | 1 | | | 429115 | 09/15/17 21:51 | YZ | TAL IRV |

## Client Sample ID: LAMW-5S

**Lab Sample ID: 440-192231-3**

**Date Collected: 09/12/17 09:00**

**Matrix: Water**

**Date Received: 09/14/17 08:40**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.1B | | 5 | | | 429114 | 09/15/17 15:12 | YZ | TAL IRV |
| Total/NA | Analysis | 300.1B | | 1 | | | 429115 | 09/15/17 22:27 | YZ | TAL IRV |

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

## Method: 300.1B - Disinfection By-Products, (IC)

**Lab Sample ID: MB 440-429114/5**
**Matrix: Water**
**Analysis Batch: 429114**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 5.0 | 2.5 | ug/L | | | 09/15/17 12:11 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* | | *09/15/17 12:11* | *1* |

**Lab Sample ID: LCS 440-429114/4**
**Matrix: Water**
**Analysis Batch: 429114**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | | | 25.0 | 29.3 | | ug/L | | 117 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* |

**Lab Sample ID: MRL 440-429114/3**
**Matrix: Water**
**Analysis Batch: 429114**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | | | 5.00 | 5.45 | | ug/L | | 109 | 50 - 150 | | |

| *Surrogate* | *MRL %Recovery* | *MRL Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *104* | | *90 - 115* |

**Lab Sample ID: 440-192078-A-1 MS**
**Matrix: Water**
**Analysis Batch: 429114**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | F1 | 50.0 | 67.3 | F1 | ug/L | | 135 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* |

**Lab Sample ID: 440-192078-A-1 MSD**
**Matrix: Water**
**Analysis Batch: 429114**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | F1 | 50.0 | 64.2 | F1 | ug/L | | 128 | 75 - 125 | 5 | 25 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *101* | | *90 - 115* |

## Method: 300.1B - Disinfection By-Products, (IC) (Continued)

**Lab Sample ID: MB 440-429115/5**
**Matrix: Water**
**Analysis Batch: 429115**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chlorite | ND | | 20 | 10 | ug/L | | | 09/15/17 12:11 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* | | *09/15/17 12:11* | *1* |

**Lab Sample ID: LCS 440-429115/4**
**Matrix: Water**
**Analysis Batch: 429115**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | | | 100 | 114 | | ug/L | | 114 | 85 - 115 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* |

**Lab Sample ID: MRL 440-429115/3**
**Matrix: Water**
**Analysis Batch: 429115**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | | | 20.0 | 21.0 | | ug/L | | 105 | 10 - 200 | | |

| *Surrogate* | *MRL %Recovery* | *MRL Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *104* | | *90 - 115* |

**Lab Sample ID: 440-192078-A-1 MS**
**Matrix: Water**
**Analysis Batch: 429115**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | 52 | | 200 | 289 | | ug/L | | 119 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* |

**Lab Sample ID: 440-192078-A-1 MSD**
**Matrix: Water**
**Analysis Batch: 429115**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | 52 | | 200 | 288 | | ug/L | | 118 | 75 - 125 | 0 | 25 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *101* | | *90 - 115* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711091 - (2-25173)

TestAmerica Job ID: 440-192231-1

## HPLC/IC

### Analysis Batch: 429114

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 440-192231-1 | SMBRP-9 | Total/NA | Water | 300.1B | |
| 440-192231-2 | MCWP-MW07S | Total/NA | Water | 300.1B | |
| 440-192231-3 | LAMW-5S | Total/NA | Water | 300.1B | |
| MB 440-429114/5 | Method Blank | Total/NA | Water | 300.1B | |
| LCS 440-429114/4 | Lab Control Sample | Total/NA | Water | 300.1B | |
| MRL 440-429114/3 | Lab Control Sample | Total/NA | Water | 300.1B | |
| 440-192078-A-1 MS | Matrix Spike | Total/NA | Water | 300.1B | |
| 440-192078-A-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.1B | |

### Analysis Batch: 429115

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 440-192231-1 | SMBRP-9 | Total/NA | Water | 300.1B | |
| 440-192231-2 | MCWP-MW07S | Total/NA | Water | 300.1B | |
| 440-192231-3 | LAMW-5S | Total/NA | Water | 300.1B | |
| MB 440-429115/5 | Method Blank | Total/NA | Water | 300.1B | |
| LCS 440-429115/4 | Lab Control Sample | Total/NA | Water | 300.1B | |
| MRL 440-429115/3 | Lab Control Sample | Total/NA | Water | 300.1B | |
| 440-192078-A-1 MS | Matrix Spike | Total/NA | Water | 300.1B | |
| 440-192078-A-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.1B | |

## Qualifiers

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD Recovery is outside acceptance limits. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 1711091 - (2-25173)

TestAmerica Job ID: 440-192231-1

## Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| Alaska | State Program | 10 | CA01531 | 06-30-18 |
| Arizona | State Program | 9 | AZ0671 | 10-14-17 * |
| California | LA Cty Sanitation Districts | 9 | 10256 | 06-30-18 |
| California | State Program | 9 | CA ELAP 2706 | 06-30-18 |
| Guam | State Program | 9 | Cert. No. 17-003R | 01-23-18 |
| Hawaii | State Program | 9 | N/A | 01-29-18 |
| Kansas | NELAP Secondary AB | 7 | E-10420 | 07-31-17 * |
| Nevada | State Program | 9 | CA015312018-1 | 07-31-18 |
| New Mexico | State Program | 6 | N/A | 01-29-18 * |
| Northern Mariana Islands | State Program | 9 | MP0002 | 01-29-17 * |
| Oregon | NELAP | 10 | 4028 | 01-29-18 |
| USDA | Federal | | P330-15-00184 | 07-08-18 |
| Washington | State Program | 10 | C900 | 09-03-18 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Subcontract to
# Test America - Irvine

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

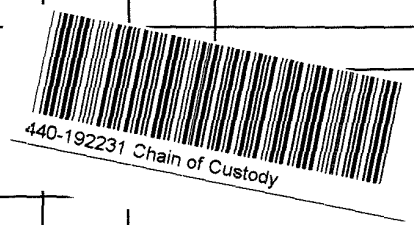
Purchase Order Number:

Sampler(s) Matt P./Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SMBRP-9 | 09/12/17 | 11:50 | G | MW | | | | 1 | | | | | | | | |
| 3 | MCWP-MW07S | 09/12/17 | 10:12 | G | MW | | | | 1 | | | | | | | | |
| 9 | LAMW-5S | 09/12/17 | 09:00 | G | MW | | | | 1 | | | | | | | | |




Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/13/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | | | [signature] | 9/14/17 AS | 8:40 | | | |

VG 9/14

TRK-537597358

2.9°/3.2

NOCS



9/25/2017

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 440-192231-1

**Login Number: 192231**
**List Number: 1**
**Creator: Garcia, Veronica G**

**List Source: TestAmerica Irvine**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | Not present |
| Sample custody seals, if present, are intact. | N/A | Not Present |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

September 28, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711091**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted - Asbestos

Please note that this analysis was performed by LA Testing

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-28

Enclosure

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321721777
Customer ID: FGLE25
Customer PO:
Project ID:

**Attn:** FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/12/2017
Received: 09/13/2017
Analyzed: 09/27/2017

**Proj:** SP1711091- (2-25173)

# Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

| Sample ID Client / EMSL | Sample Filtration Date/Time | Original Sample Vol. Filtered (ml) | Effective Filter Area (mm²) | Area Analyzed (mm²) | ASBESTOS | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Asbestos Types | Fibers Detected | Analytical Sensitivity | Concentration | Confidence Limits |
| | | | | | | | MFL (million fibers per liter) | | |
| 1<br>321721777-0001 | 9/4/2017<br>08:25 AM | 1 | 1288 | 0.2560 | None Detected | ND | 5.00 | <5.00 | 0.00 - 19.00 |
| 3<br>321721777-0002 | 9/14/2017<br>08:25 AM | 5 | 1288 | 0.2560 | None Detected | ND | 1.00 | <1.00 | 0.00 - 3.70 |
| 9<br>321721777-0003 | 9/14/2017<br>08:25 AM | 1 | 1288 | 0.2560 | None Detected | ND | 5.00 | <5.00 | 0.00 - 19.00 |

MDL for TEM EPA 100.2 Method (EPA 600/R-94/134) is 0.2 MFL.

Analyst(s)
Sherrie Ahmad (3)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 09/27/2017 16:06:14

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

# Subcontract to LA Testing

#321721777

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P) | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SMBRP-9 | 09/12/17 | 11:50 | G | MW | | | | 1 | |
| 3 | MCWP-MW07S | 09/12/17 | 10:12 | G | MW | | | | 1 | |
| 9 | LAMW-5S | 09/12/17 | 09:00 | G | MW | | | | 1 | |
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Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/12/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| Outrac | | | | 9/13/17 | 1700 | | | |

6°C



OrderID: 321721777

September 29, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711091**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium 90 by EPA 905.0 W/7-Day In-Growth

Please note that this analysis was performed by Test America- St. Louis Missouri

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-29

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-24511-1
Client Project/Site: SP 1711091-(2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Rhonda Ridenhower

*Authorized for release by:*
*9/29/2017 12:26:08 PM*

Rhonda Ridenhower, Manager of Project Management
(314)298-8566
rhonda.ridenhower@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 2
Case Narrative . . . . . 3
Chain of Custody . . . . . 5
Receipt Checklists . . . . . 6
Definitions/Glossary . . . . . 7
Method Summary . . . . . 8
Sample Summary . . . . . 9
Client Sample Results . . . . . 10
QC Sample Results . . . . . 11
QC Association Summary . . . . . 12
Tracer Carrier Summary . . . . . 13

## Job ID: 160-24511-1

**Laboratory: TestAmerica St. Louis**

**Narrative**

# CASE NARRATIVE

## Client: FGL Environmental

## Project: SP 1711091-(2-25173)

## Report Number: 160-24511-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

**RECEIPT**

The samples were received on 09/15/2017; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 18.0º C and 18.0º C.

**STRONTIUM-90 (GFPC)**

Samples SMBRP-9 (160-24511-1), MCWP-MW07S (160-24511-2) and LAMW- 5S (160-24511-3) were analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 09/19/2017 and analyzed on 09/27/2017.

Insufficient sample volume was available to perform a sample duplicate (DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.
SMBRP-9 (160-24511-1), MCWP-MW07S (160-24511-2) and LAMW- 5S (160-24511-3)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

## Job ID: 160-24511-1 (Continued)

**Laboratory: TestAmerica St. Louis (Continued)**

# Subcontract to
# Test America- St. Louis Missouri

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-Strontium 90 by EPA 905.0 W/7-Day In-Growth 8oz(P) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SMBRP-9 | 09/12/17 | 11:50 | G | MW | | | | 1 | | | | | | | | |
| 3 | MCWP-MW07S | 09/12/17 | 10:12 | G | MW | | | | 1 | | | | | | | | |
| 9 | LAMW-5S | 09/12/17 | 09:00 | G | MW | | | | 1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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160-24511 Chain of Custody

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/14/17 | 17:30 | ~~UPS~~ Kat 9/15/17 | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | | | [signature] | 9/15/17 | 0900 | | | |

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 160-24511-1

**Login Number: 24511**
**List Number: 1**
**Creator: Taylor, Kristene N**

**List Source: TestAmerica St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Definitions/Glossary

Client: FGL Environmental
Project/Site: SP 1711091-(2-25173)

TestAmerica Job ID: 160-24511-1

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Method Summary

Client: FGL Environmental
Project/Site: SP 1711091-(2-25173)

TestAmerica Job ID: 160-24511-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 905 | Strontium-90 (GFPC) | EPA | TAL SL |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: FGL Environmental
Project/Site: SP 1711091-(2-25173)

TestAmerica Job ID: 160-24511-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 160-24511-1 | SMBRP-9 | Water | 09/12/17 11:50 | 09/15/17 09:00 |
| 160-24511-2 | MCWP-MW07S | Water | 09/12/17 10:12 | 09/15/17 09:00 |
| 160-24511-3 | LAMW- 5S | Water | 09/12/17 09:00 | 09/15/17 09:00 |

## Client Sample ID: SMBRP-9

**Lab Sample ID: 160-24511-1**
**Date Collected: 09/12/17 11:50**
**Matrix: Water**
**Date Received: 09/15/17 09:00**

### Method: 905 - Strontium-90 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | -0.0587 | U | 0.201 | 0.201 | 3.00 | 0.370 | pCi/L | 09/19/17 10:00 | 09/27/17 18:11 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *88.8* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:11* | *1* |
| *Y Carrier* | *99.8* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:11* | *1* |

## Client Sample ID: MCWP-MW07S

**Lab Sample ID: 160-24511-2**
**Date Collected: 09/12/17 10:12**
**Matrix: Water**
**Date Received: 09/15/17 09:00**

### Method: 905 - Strontium-90 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | 0.154 | U | 0.682 | 0.682 | 3.00 | 1.20 | pCi/L | 09/19/17 10:00 | 09/27/17 18:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *74.2* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:12* | *1* |
| *Y Carrier* | *102* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:12* | *1* |

## Client Sample ID: LAMW- 5S

**Lab Sample ID: 160-24511-3**
**Date Collected: 09/12/17 09:00**
**Matrix: Water**
**Date Received: 09/15/17 09:00**

### Method: 905 - Strontium-90 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | 0.132 | U | 0.418 | 0.419 | 3.00 | 0.730 | pCi/L | 09/19/17 10:00 | 09/27/17 18:12 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *64.1* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:12* | *1* |
| *Y Carrier* | *97.6* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:12* | *1* |

## Method: 905 - Strontium-90 (GFPC)

**Lab Sample ID: MB 160-327874/1-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | -0.1239 | U | 0.233 | 0.233 | 3.00 | 0.435 | pCi/L | 09/19/17 10:00 | 09/27/17 18:10 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *82.4* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:10* | *1* |
| *Y Carrier* | *99.4* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:10* | *1* |

**Lab Sample ID: LCS 160-327874/2-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | | | 11.2 | 10.01 | | 1.04 | 3.00 | 0.307 | pCi/L | 90 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Sr Carrier* | *91.1* | | *40 - 110* |
| *Y Carrier* | *102* | | *40 - 110* |

**Lab Sample ID: LCSD 160-327874/3-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | | | Spike Added | LCSD Result | LCSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | | | 11.2 | 10.21 | | 1.07 | 3.00 | 0.359 | pCi/L | 91 | 75 - 125 | 0.09 | 1 |

| *Carrier* | *LCSD %Yield* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Sr Carrier* | *89.9* | | *40 - 110* |
| *Y Carrier* | *97.9* | | *40 - 110* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711091-(2-25173)

TestAmerica Job ID: 160-24511-1

## Rad

### Prep Batch: 327874

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-24511-1 | SMBRP-9 | Total/NA | Water | PrecSep-7 | |
| 160-24511-2 | MCWP-MW07S | Total/NA | Water | PrecSep-7 | |
| 160-24511-3 | LAMW- 5S | Total/NA | Water | PrecSep-7 | |
| MB 160-327874/1-A | Method Blank | Total/NA | Water | PrecSep-7 | |
| LCS 160-327874/2-A | Lab Control Sample | Total/NA | Water | PrecSep-7 | |
| LCSD 160-327874/3-A | Lab Control Sample Dup | Total/NA | Water | PrecSep-7 | |

# Tracer/Carrier Summary

Client: FGL Environmental
Project/Site: SP 1711091-(2-25173)

TestAmerica Job ID: 160-24511-1

## Method: 905 - Strontium-90 (GFPC)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | Sr (C) (40-110) | Y (40-110) |
| 160-24511-1 | SMBRP-9 | 88.8 | 99.8 |
| 160-24511-2 | MCWP-MW07S | 74.2 | 102 |
| 160-24511-3 | LAMW- 5S | 64.1 | 97.6 |
| LCS 160-327874/2-A | Lab Control Sample | 91.1 | 102 |
| LCSD 160-327874/3-A | Lab Control Sample Dup | 89.9 | 97.9 |
| MB 160-327874/1-A | Method Blank | 82.4 | 99.4 |

**Tracer/Carrier Legend**

Sr (C) = Sr Carrier
Y = Y Carrier

October 4, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711091**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-04

Enclosure

October 04, 2017

**Vista Work Order No. 1701249**

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 14, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1711091-(2-25173)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

**Vista Work Order No. 1701249**
**Case Narrative**

**Sample Condition on Receipt:**

Three monitoring well samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

**Analytical Notes:**

**EPA Method 1613B**

These samples were extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613B using a ZB-5MS GC column.

Holding Times

These samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS


Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 11

Certifications..... 12

Sample Receipt..... 15

# Sample Inventory Report

| Vista Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 1701249-01 | SMBRP-9 | 12-Sep-17 11:50 | 14-Sep-17 10:24 | Amber Glass NM Bottle, 1L |
| 1701249-02 | MCWP-MW07S | 12-Sep-17 10:12 | 14-Sep-17 10:24 | Amber Glass NM Bottle, 1L |
| 1701249-03 | LAMW-5S | 12-Sep-17 09:00 | 14-Sep-17 10:24 | Amber Glass NM Bottle, 1L |

## ANALYTICAL RESULTS

**Sample ID: Method Blank** — **EPA Method 1613B**

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B7I0161 | Lab Sample: | B7I0161-BLK1 |
| Sample Size: | 1.00 L | Date Extracted: | 29-Sep-2017 10:00 | Date Analyzed : | 03-Oct-17 17:18 Column: ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 5.00 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 88.7 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 100 | 42 - 164 | |

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

| **Sample ID:** | **OPR** | | | | | | **EPA Method 1613B** |
|---|---|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B7I0161 | Lab Sample: | B7I0161-BS1 | | |
| Sample Size: | 1.00 L | Date Extracted: | 29-Sep-2017 10:00 | Date Analyzed: | 03-Oct-17 15:41 | Column: | ZB-5MS |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits |
|---|---|---|---|---|
| 2,3,7,8-TCDD | 191 | 200 | 95.4 | 73 - 146 |

| | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 95.5 | 25 - 141 |
| CRS | 37Cl-2,3,7,8-TCDD | 111 | 37 - 158 |

LCL-UCL - Lower control limit - upper control limit

## Sample ID: SMBRP-9

**EPA Method 1613B**

| Client Data | | Sample Data | | Laboratory Data | | | |
|---|---|---|---|---|---|---|---|
| Name: | FGL Environmental, Inc. | Matrix: | Monitoring Well | Lab Sample: | 1701249-01 | Date Received: | 14-Sep-2017 10:24 |
| Project: | SP 1711091-(2-25173) | Sample Size: | 1.03 L | QC Batch: | B7I0161 | Date Extracted: | 29-Sep-2017 10:00 |
| Date Collected: | 12-Sep-2017 11:50 | | | Date Analyzed : | 03-Oct-17 21:21 | Column: | ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 4.84 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 84.5 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 99.5 | 42 - 164 | |

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

## Sample ID: MCWP-MW07S

**EPA Method 1613B**

**Client Data**

Name: FGL Environmental, Inc.
Project: SP 1711091-(2-25173)
Date Collected: 12-Sep-2017 10:12

**Sample Data**

Matrix: Monitoring Well
Sample Size: 1.04 L

**Laboratory Data**

Lab Sample: 1701249-02 Date Received: 14-Sep-2017 10:24
QC Batch: B7I0161 Date Extracted: 29-Sep-2017 10:00
Date Analyzed : 03-Oct-17 22:09 Column: ZB-5MS

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 4.81 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 85.8 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 106 | 42 - 164 | |

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

**Sample ID: LAMW-5S** **EPA Method 1613B**

| Client Data | | Sample Data | | Laboratory Data | | | |
|---|---|---|---|---|---|---|---|
| Name: | FGL Environmental, Inc. | Matrix: | Monitoring Well | Lab Sample: | 1701249-03 | Date Received: | 14-Sep-2017 10:24 |
| Project: | SP 1711091-(2-25173) | Sample Size: | 1.02 L | QC Batch: | B7I0161 | Date Extracted: | 29-Sep-2017 10:00 |
| Date Collected: | 12-Sep-2017 9:00 | | | Date Analyzed : | 03-Oct-17 22:58 | Column: | ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 4.88 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 79.2 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 105 | 42 - 164 | |

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| **B** | **This compound was also detected in the method blank.** |
| **D** | **Dilution** |
| **E** | **The associated compound concentration exceeded the calibration range of the instrument.** |
| **H** | **Recovery and/or RPD was outside laboratory acceptance limits.** |
| **I** | **Chemical Interference** |
| **J** | **The amount detected is below the Reporting Limit/LOQ.** |
| **M** | **Estimated Maximum Possible Concentration. (CA Region 2 projects only)** |
| ***** | **See Cover Letter** |
| **Conc.** | **Concentration** |
| **NA** | **Not applicable** |
| **ND** | **Not Detected** |
| **TEQ** | **Toxic Equivalency** |
| **U** | **Not Detected (specific projects only)** |

**Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.**

## CERTIFICATIONS

| Accrediting Authority | Certificate Number |
|---|---|
| Arkansas Department of Environmental Quality | 17-015-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005 | 3091.01 |
| Florida Department of Health | E87777-18 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2016026 |
| Minnesota Department of Health | 1175673 |
| New Hampshire Environmental Accreditation Program | 207716 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Oregon Laboratory Accreditation Program | 4042-008 |
| Pennsylvania Department of Environmental Protection | 013 |
| Texas Commission on Environmental Quality | T104704189-17-8 |
| Virginia Department of General Services | 8621 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

## NELAP Accredited Test Methods

| MATRIX: Air | |
|---|---|
| **Description of Test** | **Method** |
| Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans | EPA 23 |

| MATRIX: Biological Tissue | |
|---|---|
| **Description of Test** | **Method** |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613B |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS | EPA 1699 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

| MATRIX: Drinking Water | |
|---|---|
| **Description of Test** | **Method** |
| 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS | EPA 1613 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |

| MATRIX: Non-Potable Water | |
|---|---|
| **Description of Test** | **Method** |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613B |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS | EPA 1699 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Dioxin by GC/HRMS | EPA 613 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

| MATRIX: Solids | |
|---|---|
| **Description of Test** | **Method** |
| Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613 |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope | EPA 1613B |

| | |
|---|---|
| Dilution GC/HRMS | |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

# Subcontract to
# Vista Analytical Laboratory

1701249

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT) | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SMBRP-9 | 09/12/17 | 11:50 | G | MW | | | | 1 | |
| 3 | MCWP-MW07S | 09/12/17 | 10:12 | G | MW | | | | 1 | |
| 9 | LAMW-5S | 09/12/17 | 09:00 | G | MW | | | | 1 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

4.1°C

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/13/17 | 17:30 | 650 | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| 650 | ↓ | ↓ | [signature] | 09/14/17 | 1029 | | | |

Vista Analytical Laboratory

# Sample Log-in Checklist

**Vista Work Order #:** 1701249 **TAT** Std

| | | | |
|---|---|---|---|
| **Samples Arrival:** | **Date/Time** 09/14/17 1024 | **Initials:** SR | **Location:** WR-2 **Shelf/Rack:** N/A |
| **Logged In:** | **Date/Time** 09/15/17 0838 | **Initials:** VB20 | **Location:** WR-2 **Shelf/Rack:** B2 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Delivered By:** | FedEx | UPS | On Trac | GSO | DHL | Hand Delivered | Other |
| **Preservation:** | Ice | | Blue Ice | | Dry Ice | | None |

| | | | |
|---|---|---|---|
| **Temp °C:** 4.0 (uncorrected) | **Time:** 1028 | **Thermometer ID:** IR-1 |
| **Temp °C:** 4.1 (corrected) | **Probe used:** Yes☐ No☒ | |

| | YES | NO | NA |
|---|---|---|---|
| Adequate Sample Volume Received? 1 Liter each | ✓ | | |
| Holding Time Acceptable? | ✓ | | |
| Shipping Container(s) Intact? | ✓ | | |
| Shipping Custody Seals Intact? | | | ✓ |
| Shipping Documentation Present? | ✓ | | |
| Airbill Trk # 537597376 | ✓ | | |
| Sample Container Intact? | ✓ | | |
| Sample Custody Seals Intact? | | | ✓ |
| Chain of Custody / Sample Documentation Present? | ✓ | | |
| COC Anomaly/Sample Acceptance Form completed? | | ✓ | ✓ |
| If Chlorinated or Drinking Water Samples, Acceptable Preservation? | | | ✓ |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Preservation Documented: | $Na_2S_2O_3$ | Trizma | None | | Yes | No | NA |
| Shipping Container | Vista | Client | Retain | Return | | Dispose | |

*Comments:*

October 5, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711091**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 525

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-05

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
AT-1807

# Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
10/04/2017
EUROFINS EATON ANALYTICAL, INC.

NELAP ACCREDITED TNI LABORATORY
ORELAP 4034

Report: 686404
Project: DRINKING
Group: ORGANICS - EPA 500's

MP6E: Alicia Del Carlo
Project Manager

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

# STATE CERTIFICATION LIST

| State | Certification Number | State | Certification Number |
|---|---|---|---|
| **Alabama** | 41060 | **Michigan** | 9906 |
| **Arizona** | AZ0778 | **Mississippi** | Certified |
| **Arkansas** | Certified | **Montana** | Cert 0035 |
| **California-Monrovia-ELAP** | 2813 | **Nebraska** | Certified |
| **California-Colton- ELAP** | 2812 | **Nevada** | CA00006-2016 |
| **California-Folsom- ELAP** | 2820 | **New Hampshire *** | 2959 |
| **California-Fresno- ELAP** | 2966 | **New Jersey *** | CA 008 |
| **Colorado** | Certified | **New Mexico** | Certified |
| **Connecticut** | PH-0107 | **New York *** | 11320 |
| **Delaware** | CA 006 | **North Carolina** | 06701 |
| **Florida *** | E871024 | **North Dakota** | R-009 |
| **Georgia** | 947 | **Oregon (Primary AB) *** | **ORELAP 4034** |
| **Guam** | 17-005R | **Pennsylvania *** | 68-565 |
| **Hawaii** | Certified | **Puerto Rico** | Certified |
| **Idaho** | Certified | **Rhode Island** | LAO00326 |
| **Illinois *** | 200033 | **South Carolina** | 87016 |
| **Indiana** | C-CA-01 | **South Dakota** | Certified |
| **Iowa - Asbestos** | 413 | **Tennessee** | TN02839 |
| **Kansas *** | E-10268 | **Texas *** | T104704230-16-11 |
| **Kentucky** | 90107 | **Utah *** | CA000062017-11 |
| **Louisiana *** | LA170009 | **Vermont** | VT0114 |
| **Maine** | CA0006 | **Virginia *** | 460260 |
| **Maryland** | 224 | **Washington** | C838 |
| **Commonwealth of Northern Marianas Is.** | MP0004 | **EPA Region 5** | Certified |
| **Massachusetts** | M-CA006 | **Los Angeles County Sanitation Districts** | 10264 |

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 626-386-1101
www.EatonAnalytical.com

ISO 17025 Accredited Method List

**The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.**

**Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com**

| SPECIFIC TESTS | METHOD OR TECHNIQUE USED | Environ-mental (Drinking Water) | Environ-mental (Waste Water) | Water as a Component of Food and Bev/Bev/ Bottled Water |
|---|---|---|---|---|
| 1,4-Dioxane | EPA 522 | x | | x |
| 2,3,7,8-TCDD | Modified EPA 1613B | x | | x |
| Acrylamide | In House Method (2440) | x | | x |
| Alkalinity | SM 2320B | x | x | x |
| Ammonia | EPA 350.1 | | x | x |
| Ammonia | SM 4500-NH3 H | | x | x |
| Anions and DBPs by IC | EPA 300.0 | x | x | x |
| Anions and DBPs by IC | EPA 300.1 | x | | x |
| Asbestos | EPA 100.2 | x | x | |
| Bicarbonate Alkalinity as HCO3 | SM 2320B | x | x | x |
| BOD / CBOD | SM 5210B | | x | x |
| Bromate | In House Method (2447) | x | | x |
| Carbamates | EPA 531.2 | x | | x |
| Carbonate as CO3 | SM 2330B | x | x | x |
| Carbonyls | EPA 556 | x | | x |
| COD | EPA 410.4 / SM 5220D | | x | |
| Chloramines | SM 4500-CL G | x | x | x |
| Chlorinated Acids | EPA 515.4 | x | | x |
| Chlorinated Acids | EPA 555 | x | | x |
| Chlorine Dioxide | SM 4500-CLO2 D | x | | x |
| Chlorine -Total/Free/ Combined Residual | SM 4500-Cl G | x | x | x |
| Conductivity | EPA 120.1 | | x | |
| Conductivity | SM 2510B | x | x | x |
| Corrosivity (Langelier Index) | SM 2330B | x | | x |
| Cryptosporidium | EPA 1623 | x | | x |
| Cyanide, Amenable | SM 4500-CN G | x | x | |
| Cyanide, Free | SM 4500CN F | x | x | x |
| Cyanide, Total | EPA 335.4 | x | x | x |
| Cyanogen Chloride (screen) | In House Method (2470) | x | | x |
| Diquat and Paraquat | EPA 549.2 | x | | x |
| DBP/HAA | SM 6251B | x | | x |
| Dissolved Oxygen | SM 4500-O G | | x | x |
| DOC | SM 5310C | x | | x |
| E. Coli | (MTF/EC+MUG) | x | | x |
| E. Coli | CFR 141.21(f)(6)(i) | x | | x |
| E. Coli | SM 9223 | | x | |
| E. Coli (Enumeration) | SM 9221B.1/ SM 9221F | x | | x |
| E. Coli (Enumeration) | SM 9223B | x | | x |
| EDB/DCBP | EPA 504.1 | x | | |
| EDB/DBCP and DBP | EPA 551.1 | x | | x |
| EDTA and NTA | In House Method (2454) | x | | x |
| Endothall | EPA 548.1 | x | | x |
| Endothall | In-house Method (2445) | x | | x |
| Enterococci | SM 9230B | x | x | |
| Fecal Coliform | SM 9221 E (MTF/EC) | x | | |
| Fecal Coliform | SM 9221C, E (MTF/EC) | | x | |
| Fecal Coliform (Enumeration) | SM 9221E (MTF/EC) | x | | x |
| Fecal Coliform with Chlorine Present | SM 9221E | | x | |
| Fecal Streptococci | SM 9230B | x | x | |
| Fluoride | SM 4500-F C | x | x | x |
| Giardia | EPA 1623 | x | | x |
| Glyphosate | EPA 547 | x | | x |
| Gross Alpha/Beta | EPA 900.0 | x | x | x |
| Gross Alpha Coprecipitation | SM 7110 C | x | x | x |
| Hardness | SM 2340B | x | x | x |
| Heterotrophic Bacteria | In House Method (2439) | x | | x |
| Heterotrophic Bacteria | SM 9215 B | x | | x |
| Hexavalent Chromium | EPA 218.6 | x | x | x |

| SPECIFIC TESTS | METHOD OR TECHNIQUE USED | Environ-mental (Drinking Water) | Environ-mental (Waste Water) | Water as a Component of Food and Bev/Bev/ Bottled Water |
|---|---|---|---|---|
| Hexavalent Chromium | EPA 218.7 | x | | x |
| Hexavalent Chromium | SM 3500-Cr B | | x | |
| Hormones | EPA 539 | x | | x |
| Hydroxide as OH Calc. | SM 2330B | x | | x |
| Kjeldahl Nitrogen | EPA 351.2 | | x | |
| Legionella | CDC Legionella | x | | x |
| Mercury | EPA 245.1 | x | x | x |
| Metals | EPA 200.7 / 200.8 | x | x | x |
| Microcystin LR | ELISA (2360) | x | | x |
| NDMA | EPA 521 | x | | x |
| NDMA | TQ In house method based on EPA 521 (2425) | x | | x |
| Nitrate/Nitrite Nitrogen | EPA 353.2 | x | x | x |
| OCL, Pesticides/PCB | EPA 505 | x | | x |
| Ortho Phosphate | EPA 365.1 | x | x | x |
| Ortho Phosphate | SM 4500P E | | | x |
| Ortho Phosphorous | SM 4500P E | x | | |
| Oxyhalides Disinfection Byproducts | EPA 317.0 | x | | x |
| Perchlorate | EPA 331.0 | x | | x |
| Perchlorate (low and high) | EPA 314.0 | x | | x |
| Perfluorinated Alkyl Acids | EPA 537 | x | | x |
| pH | EPA 150.1 | x | | |
| pH | SM 4500-H+B | x | x | x |
| Phenylurea Pesticides/ Herbicides | In House Method, based on EPA 532 (2448) | x | | x |
| Pseudomonas | IDEXX Pseudalert (2461) | x | | x |
| Radium-226 | GA Institute of Tech | x | | x |
| Radium-228 | GA Institute of Tech | x | | x |
| Radon-222 | SM 7500RN | x | | x |
| Residue, Filterable | SM 2540C | x | x | x |
| Residue, Non-filterable | SM 2540D | | x | |
| Residue, Total | SM 2540B | | x | x |
| Residue, Volatile | EPA 160.4 | | x | |
| Semi-VOC | EPA 525.2 | x | | x |
| Semi-VOC | EPA 625 | | x | x |
| Silica | SM 4500-Si D | x | x | |
| Silica | SM 4500-SiO2 C | x | x | |
| Sulfide | SM 4500-$S^{=}$ D | | x | |
| Sulfite | SM 4500-$SO^{3}$B | x | x | x |
| Surfactants | SM 5540C | x | x | x |
| Taste and Odor Analytes | SM 6040E | x | | x |
| Total Coliform (P/A) | SM 9221 A, B | x | | x |
| Total Coliform (Enumeration) | SM 9221 A, B, C | x | | x |
| Total Coliform / E. coli | Colisure SM 9223 | x | | x |
| Total Coliform | SM 9221B | | x | |
| Total Coliform with Chlorine Present | SM 9221B | | x | |
| Total Coliform / E.coli (P/A and Enumeration) | SM 9223 | x | | x |
| TOC | SM 5310C | x | x | x |
| TOX | SM 5320B | | x | |
| Total Phenols | EPA 420.1 | | x | |
| Total Phenols | EPA 420.4 | x | x | x |
| Total Phosphorous | SM 4500 P E | | x | |
| Turbidity | EPA 180.1 | x | x | x |
| Turbidity | SM 2130B | x | x | |
| Uranium by ICP/MS | EPA 200.8 | x | | x |
| UV 254 | SM 5910B | x | | |
| VOC | EPA 524.2/EPA 524.3 | x | | x |
| VOC | EPA 624 | | x | x |
| VOC | EPA SW 846 8260 | x | | x |
| VOC | In House Method (2411) | x | | x |
| Yeast and Mold | SM 9610 | x | | x |

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# Acknowledgement of Samples Received


Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012


Client ID: FGL
Folder #: 686404
Project: DRINKING (SP 1711091)
Sample Group: ORGANICS - EPA 500's

Project Manager: Alicia Del Carlo
Phone: 559-797-1931
Sampler: Matt P./Ryan S

The following samples were received from you on **September 14, 2017** at **12:32**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, Inc..

| Sample # | Sample ID | Sample Date |
|---|---|---|
| 201709140662 | SMBRP-9 | 09/12/2017 1150 |
| | @525_FGL_SHORT | |
| 201709140664 | MCWP-MW07S | 09/12/2017 1012 |
| | @525_FGL_SHORT | |
| 201709140665 | LAMW-5S | 09/12/2017 0900 |
| | @525_FGL_SHORT | |

## Test Description

@525_FGL_SHORT -- Semivolatiles by GCMS

# Subcontract to
# Eurofins Eaton Analytical, Inc.

686404

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl |
|---|---|---|---|---|---|---|---|---|---|
| 0 | Travel Blank | 09/12/17 | 00:00 | G | LBW | | | | ~~1~~ |
| 1 | SMBRP-9 | 09/12/17 | 11:50 | G | MW | | | | 1 |
| 3 | MCWP-MW07S | 09/12/17 | 10:12 | G | MW | | | | 1 |
| 9 | LAMW-5S | 09/12/17 | 09:00 | G | MW | | | | 1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/13/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | | | | 9/14/17 | 1232 | | | |

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# INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 686484

SAMPLES REC'D DAY OF COLLECTION? ☐

SAMPLE TEMP RECEIVED:

IR Gun ID = 461B (Observation= 1.6 °C) (Corr.Factor 0.2 °C) (Final = 1.4 °C)

TYPE OF ICE: Real ___ Synthetic X No Ice ___ CONDITION OF ICE: Frozen X Partially Frozen ___ Thawed ___ N/A ___

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

Compliance Acceptance Criteria:

1) Chemistry: ≥0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

- If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

| | |
|---|---|
| 1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) | 2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) |
| 3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) | 4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) |

4) UCMR3 : (non-GLEC) 524.3: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

522: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

≤10°C if received within 48 hours of sample collection (not the same business day); ≤ 6°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia /Cryptosporidium: <20 °C, not frozen (received after 8 hours of sample collection )

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Crypto: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

E.Coli: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

| RECEIVED BY: SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
|---|---|---|---|---|
| | FIDEL CHIQUEZ | Eurofins Eaton Analytical | 9-14-17 | 1232 |

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Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

**Laboratory Comments**

**Report:** 686404
**Project:** DRINKING (SP 1711091)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

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**Flags Legend:**

E6 - Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.

S7 - Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

**The Comments Report may be blank if there are no comments for this report.**

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**Laboratory Hits**

**Report:** 686404
**Project:** DRINKING (SP 1711091)
**Group:** ORGANICS - EPA 500's

**FGL Environmental, Inc.**
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/14/2017 12:32

| Analyzed | Analyte | Sample ID | Result | Federal MCL | Units | MRL |
|---|---|---|---|---|---|---|

**SUMMARY OF POSITIVE DATA ONLY**

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**Laboratory Data**

**Report:** 686404
**Project:** DRINKING (SP 1711091)
**Group:** ORGANICS - EPA 500's

**FGL Environmental, Inc.**
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/14/2017 12:32

| Prepared | Analyzed | Prep Batch | Analyze Batch | Method | Analyte | Result | Units | MDL | MRL | Dilution |
|---|---|---|---|---|---|---|---|---|---|---|
| **SMBRP-9 (201709140662)** | | | | | | | **Sampled on 09/12/2017 1150** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/20/17 | 09/26/17 5:57 | 1028843 | 1030693 | (EPA 525.2) | Benzo(a)pyrene | ND | ug/L | 0.011 | 0.02 | 1 |
| 09/20/17 | 09/26/17 5:57 | 1028843 | 1030693 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND | ug/L | 0.063 | 0.6 | 1 |
| 09/20/17 | 09/26/17 5:57 | 1028843 | 1030693 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | ND | ug/L | 0.15 | 0.6 | 1 |
| 09/20/17 | 09/26/17 5:57 | 1028843 | 1030693 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 104 | % | | | 1 |
| 09/20/17 | 09/26/17 5:57 | 1028843 | 1030693 | (EPA 525.2) | Acenaphthene-d10 | 89 | % | | | 1 |
| 09/20/17 | 09/26/17 5:57 | 1028843 | 1030693 | (EPA 525.2) | Chrysene-d12 | 67 | % | | | 1 |
| 09/20/17 | 09/26/17 5:57 | 1028843 | 1030693 | (EPA 525.2) | Perylene-d12 | 77 | % | | | 1 |
| 09/20/17 | 09/26/17 5:57 | 1028843 | 1030693 | (EPA 525.2) | Phenanthrene-d10 | 88 | % | | | 1 |
| **MCWP-MW07S (201709140664)** | | | | | | | **Sampled on 09/12/2017 1012** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/20/17 | 09/26/17 6:21 | 1028843 | 1030693 | (EPA 525.2) | Benzo(a)pyrene | ND (E6,S7) | ug/L | 0.011 | 0.02 | 1 |
| 09/20/17 | 09/26/17 6:21 | 1028843 | 1030693 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND | ug/L | 0.063 | 0.6 | 1 |
| 09/20/17 | 09/26/17 6:21 | 1028843 | 1030693 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | ND (E6,S7) | ug/L | 0.15 | 0.6 | 1 |
| 09/20/17 | 09/26/17 6:21 | 1028843 | 1030693 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 108 | % | | | 1 |
| 09/20/17 | 09/26/17 6:21 | 1028843 | 1030693 | (EPA 525.2) | Acenaphthene-d10 | 99 | % | | | 1 |
| 09/20/17 | 09/26/17 6:21 | 1028843 | 1030693 | (EPA 525.2) | Chrysene-d12 | 46 | % | | | 1 |
| 09/20/17 | 09/26/17 6:21 | 1028843 | 1030693 | (EPA 525.2) | Perylene-d12 | 52 | % | | | 1 |
| 09/20/17 | 09/26/17 6:21 | 1028843 | 1030693 | (EPA 525.2) | Phenanthrene-d10 | 97 | % | | | 1 |
| **LAMW-5S (201709140665)** | | | | | | | **Sampled on 09/12/2017 0900** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/20/17 | 09/26/17 6:44 | 1028843 | 1030693 | (EPA 525.2) | Benzo(a)pyrene | ND (E6,S7) | ug/L | 0.011 | 0.02 | 1 |
| 09/20/17 | 09/26/17 6:44 | 1028843 | 1030693 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND | ug/L | 0.063 | 0.6 | 1 |
| 09/20/17 | 09/26/17 6:44 | 1028843 | 1030693 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | ND (E6,S7) | ug/L | 0.15 | 0.6 | 1 |
| 09/20/17 | 09/26/17 6:44 | 1028843 | 1030693 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 107 | % | | | 1 |
| 09/20/17 | 09/26/17 6:44 | 1028843 | 1030693 | (EPA 525.2) | Acenaphthene-d10 | 90 | % | | | 1 |
| 09/20/17 | 09/26/17 6:44 | 1028843 | 1030693 | (EPA 525.2) | Chrysene-d12 | 39 | % | | | 1 |
| 09/20/17 | 09/26/17 6:44 | 1028843 | 1030693 | (EPA 525.2) | Perylene-d12 | 43 | % | | | 1 |
| 09/20/17 | 09/26/17 6:44 | 1028843 | 1030693 | (EPA 525.2) | Phenanthrene-d10 | 86 | % | | | 1 |

Rounding on totals after summation.
(c) - Indicates calculated results.
ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.

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**Laboratory QC Summary**

**Report:** 686404
**Project:** DRINKING (SP 1711091)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

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**Semivolatiles by GCMS**

**Prep Batch: 1028843** **Analytical Batch: 1030693** **Analysis Date: 09/26/2017**

| | | |
|---|---|---|
| 201709140662 | SMBRP-9 | Analyzed by: KAM |
| 201709140664 | MCWP-MW07S | Analyzed by: KAM |
| 201709140665 | LAMW-5S | Analyzed by: KAM |

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**Report:** 686404
**Project:** DRINKING (SP 1711091)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

| QC Type | Analyte | Native | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|---|---|---|---|---|---|---|---|---|---|
| **Semivolatiles by GCMS by EPA 525.2** | | | | | | | | | |
| **Prep Batch: 1028843 Analytical Batch: 1030693** | | | | | | | **Analysis Date: 09/26/2017** | | |
| LCS1 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| LCS2 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 99.4 | % | 99 | (70-130) | | |
| MBLK | 1,3-Dimethyl-2-nitrobenzene (S) | | | 108 | % | 108 | (70-130) | | |
| MRL_CHK | 1,3-Dimethyl-2-nitrobenzene (S) | | | 106 | % | 106 | (70-130) | | |
| MS_201709200167 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 124 | % | 124 | (70-130) | | |
| MSD_201709200167 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| LCS1 | Acenaphthene-d10 (I) | | | 73.9 | % | 74 | (50-150) | | |
| LCS2 | Acenaphthene-d10 (I) | | | 67.9 | % | 68 | (50-150) | | |
| MBLK | Acenaphthene-d10 (I) | | | 68.9 | % | 69 | (50-150) | | |
| MRL_CHK | Acenaphthene-d10 (I) | | | 93.5 | % | 94 | (50-150) | | |
| MS_201709200167 | Acenaphthene-d10 (I) | | | 58.3 | % | 58 | (50-150) | | |
| MSD_201709200167 | Acenaphthene-d10 (I) | | | 73.2 | % | 73 | (50-150) | | |
| LCS1 | Benzo(a)pyrene | | 2 | 2.15 | ug/L | 107 | (70-130) | | |
| LCS2 | Benzo(a)pyrene | | 2 | 2.07 | ug/L | 103 | (70-130) | 20 | 3.8 |
| MBLK | Benzo(a)pyrene | | | <0.01 | ug/L | | | | |
| MRL_CHK | Benzo(a)pyrene | | 0.02 | 0.0180 | ug/L | 90 | (50-150) | | |
| MS_201709200167 | Benzo(a)pyrene | ND | 2 | 2.08 | ug/L | 104 | (70-130) | | |
| MSD_201709200167 | Benzo(a)pyrene | ND | 2 | 1.90 | ug/L | 95 | (70-130) | 20 | 9.1 |
| LCS1 | Chrysene-d12 (I) | | | 74.6 | % | 75 | (50-150) | | |
| LCS2 | Chrysene-d12 (I) | | | 82.3 | % | 82 | (50-150) | | |
| MBLK | Chrysene-d12 (I) | | | 62.4 | % | 62 | (50-150) | | |
| MRL_CHK | Chrysene-d12 (I) | | | 88.5 | % | 89 | (50-150) | | |
| MS_201709200167 | Chrysene-d12 (I) | | | 70.8 | % | 71 | (50-150) | | |
| MSD_201709200167 | Chrysene-d12 (I) | | | 89.8 | % | 90 | (50-150) | | |
| LCS1 | Di-(2-Ethylhexyl)adipate | | 2 | 2.38 | ug/L | 119 | (70-130) | | |
| LCS2 | Di-(2-Ethylhexyl)adipate | | 2 | 2.29 | ug/L | 115 | (70-130) | 20 | 3.9 |
| MBLK | Di-(2-Ethylhexyl)adipate | | | <0.15 | ug/L | | | | |
| MRL_CHK | Di-(2-Ethylhexyl)adipate | | 0.3 | 0.338 | ug/L | 113 | (50-150) | | |
| MS_201709200167 | Di-(2-Ethylhexyl)adipate | ND | 2 | 2.26 | ug/L | 113 | (70-130) | | |
| MSD_201709200167 | Di-(2-Ethylhexyl)adipate | ND | 2 | 2.26 | ug/L | 113 | (70-130) | 20 | 0.0 |
| LCS1 | Di(2-Ethylhexyl)phthalate | | 2 | 2.46 | ug/L | 123 | (70-130) | | |
| LCS2 | Di(2-Ethylhexyl)phthalate | | 2 | 2.16 | ug/L | 108 | (70-130) | 20 | 13 |
| MBLK | Di(2-Ethylhexyl)phthalate | | | <0.15 | ug/L | | | | |
| MRL_CHK | Di(2-Ethylhexyl)phthalate | | 0.6 | 0.797 | ug/L | 133 | (50-150) | | |
| MS_201709200167 | Di(2-Ethylhexyl)phthalate | ND | 2 | 2.37 | ug/L | 118 | (70-130) | | |

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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**Report:** 686404
**Project:** DRINKING (SP 1711091)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

| QC Type | Analyte | Native | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|---|---|---|---|---|---|---|---|---|---|
| MSD_201709200167 | Di(2-Ethylhexyl)phthalate | ND | 2 | 2.21 | ug/L | 110 | (70-130) | 20 | 7.0 |
| LCS1 | Perylene-d12 (S) | | | 97.1 | % | 97 | (70-130) | | |
| LCS2 | Perylene-d12 (S) | | | 95.2 | % | 95 | (70-130) | | |
| MBLK | Perylene-d12 (S) | | | 92.0 | % | 92 | (70-130) | | |
| MRL_CHK | Perylene-d12 (S) | | | 91.9 | % | 92 | (70-130) | | |
| MS_201709200167 | Perylene-d12 (S) | | | 68.5 | % | **69** | (70-130) | | |
| MSD_201709200167 | Perylene-d12 (S) | | | 91.2 | % | 91 | (70-130) | | |
| LCS1 | Phenanthrene-d10 (I) | | | 74.4 | % | 74 | (50-150) | | |
| LCS2 | Phenanthrene-d10 (I) | | | 74.9 | % | 75 | (50-150) | | |
| MBLK | Phenanthrene-d10 (I) | | | 67.3 | % | 67 | (50-150) | | |
| MRL_CHK | Phenanthrene-d10 (I) | | | 90.5 | % | 91 | (50-150) | | |
| MS_201709200167 | Phenanthrene-d10 (I) | | | 71.2 | % | 71 | (50-150) | | |
| MSD_201709200167 | Phenanthrene-d10 (I) | | | 85.5 | % | 86 | (50-150) | | |

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

October 24, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analyses for FGL Lab No. SP 1711096**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-EstradiolPharma Positive:Caffiene, DEET, SucralosePharma Negative: Triclosan
- Sub Contracted-EPA 1625M NDMA

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-24

Enclosure

WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

**Work Orders:** 7I14003

**Project:** SP 1711096- (2-25173)

**Attn:** Cindy Aguirre

**Client:** FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

**Report Date:** 10/24/2017

**Received Date:** 9/14/2017

**Turnaround Time:** Normal

**Phones:** (805) 392-2012

**Fax:** (805) 525-4172

**P.O. #:**

**Billing Code:**

Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/14/17 with the Chain-of-Custody document. The samples were received in good condition, at 5.9 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

## Sample Results

Sample: SMBRP-9
7I14003-01 (Water)

Sampled: 09/12/17 11:50 by Ryan S/ Matt P

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Method:** EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr | | | | | | | |
| N-Nitrosodimethylamine | ND | 0.50 | 2.0 | ng/l | 1 | 09/19/17 22:13 | |
| **Method:** EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan | | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | 1 | 10/04/17 00:29 | |
| **Method:** EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan | | | | | | | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | 1 | 09/29/17 02:26 | |
| **Method:** EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan | | | | | | | |
| **Caffeine** | **5.5** | 0.31 | 1.0 | ng/l | 1 | 10/21/17 04:52 | |
| **DEET** | **2.0** | 0.060 | 1.0 | ng/l | 1 | 10/14/17 11:25 | |
| **Sucralose** | **76** | 5.0 | 5.0 | ng/l | 1 | 10/21/17 04:52 | |



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## Sample Results

(Continued)

Sample: MCWP-MW07S — Sampled: 09/12/17 10:15 by Ryan S/ Matt P

7I14003-02 (Water)

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Method:** EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr | | | | | | | |
| **N-Nitrosodimethylamine** | **0.54** | 0.50 | 2.0 | ng/l | 1 | 09/19/17 22:41 | J |
| **Method:** EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan | | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | 1 | 10/04/17 00:49 | |
| **Method:** EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan | | | | | | | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | 1 | 09/29/17 02:42 | |
| **Method:** EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan | | | | | | | |
| **Caffeine** | **17** | 0.31 | 1.0 | ng/l | 1 | 10/21/17 05:08 | |
| **DEET** | **3.0** | 0.060 | 1.0 | ng/l | 1 | 10/14/17 11:58 | |
| **Sucralose** | **140** | 5.0 | 5.0 | ng/l | 1 | 10/21/17 05:08 | |

Sample: LAMW-5S — Sampled: 09/12/17 9:00 by Ryan S/ Matt P

7I14003-03 (Water)

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Method:** EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr | | | | | | | |
| **N-Nitrosodimethylamine** | **1.2** | 0.50 | 2.0 | ng/l | 1 | 09/19/17 23:08 | J |
| **Method:** EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan | | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | 1 | 10/04/17 01:09 | |
| **Method:** EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan | | | | | | | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | 1 | 09/29/17 02:57 | |
| **Method:** EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan | | | | | | | |
| **Caffeine** | **15** | 0.31 | 1.0 | ng/l | 1 | 10/21/17 05:25 | |
| **DEET** | **4.3** | 0.060 | 1.0 | ng/l | 1 | 10/14/17 12:14 | |
| **Sucralose** | **1200** | 5.0 | 5.0 | ng/l | 1 | 10/21/17 05:25 | E-01 |



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## Quality Control Results

### Nitrosamines by isotopic dilution GC/MS CI Mode

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I0922-BLK1)** | | | | | **Prepared: 09/18/17** | **Analyzed: 09/19/17** | | | | | |
| N-Nitrosodimethylamine | ND | 0.50 | 2.0 | ng/l | | | | | | | |
| **LCS (W7I0922-BS1)** | | | | | **Prepared: 09/18/17** | **Analyzed: 09/19/17** | | | | | |
| N-Nitrosodimethylamine | 2.86 | 0.50 | 2.0 | ng/l | 3.00 | | 95 | 50-150 | | | |
| **LCS Dup (W7I0922-BSD1)** | | | | | **Prepared: 09/18/17** | **Analyzed: 09/19/17** | | | | | |
| N-Nitrosodimethylamine | 3.25 | 0.50 | 2.0 | ng/l | 3.00 | | 108 | 50-150 | 13 | 50 | |

### PPCPs - Pharmaceuticals by LC/MSMS-ESI+

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1387-BLK1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 0.980 | 0.060 | 1.0 | ng/l | | | | | | | J |
| **Blank (W7I1387-BLK2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 0.325 | 0.31 | 1.0 | ng/l | | | | | | | QC-2, J |
| Sucralose | ND | 5.0 | 5.0 | ng/l | | | | | | | QC-2 |
| **LCS (W7I1387-BS1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 11.9 | 0.060 | 1.0 | ng/l | 10.0 | | 119 | 45-135 | | | |
| **LCS (W7I1387-BS2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 10.7 | 0.31 | 1.0 | ng/l | 10.0 | | 107 | 55-152 | | | QC-2 |
| Sucralose | 62.1 | 5.0 | 5.0 | ng/l | 50.0 | | 124 | 50-150 | | | QC-2 |
| **LCS Dup (W7I1387-BSD1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 13.5 | 0.060 | 1.0 | ng/l | 10.0 | | 135 | 45-135 | 13 | 30 | |
| **LCS Dup (W7I1387-BSD2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 12.6 | 0.31 | 1.0 | ng/l | 10.0 | | 126 | 55-152 | 16 | 30 | QC-2 |
| Sucralose | 74.9 | 5.0 | 5.0 | ng/l | 50.0 | | 150 | 50-150 | 19 | 30 | QC-2 |



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## Quality Control Results

(Continued)

### PPCPs - Pharmaceuticals by LC/MSMS-ESI-

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1389-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 3.11 | 0.27 | 1.0 | ng/l | | | | | | | B |
| Diclofenac | ND | 0.26 | 1.0 | ng/l | | | | | | | |
| Gemfibrozil | ND | 0.080 | 1.0 | ng/l | | | | | | | |
| Ibuprofen | ND | 0.39 | 1.0 | ng/l | | | | | | | |
| Iopromide | ND | 1.8 | 5.0 | ng/l | | | | | | | |
| Naproxen | ND | 0.25 | 1.0 | ng/l | | | | | | | |
| Salicylic Acid | 21.1 | 0.86 | 50 | ng/l | | | | | | | J |
| Triclosan | ND | 1.2 | 2.0 | ng/l | | | | | | | |
| **LCS (W7I1389-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 15.8 | 0.27 | 1.0 | ng/l | 10.0 | | 158 | 53-168 | | | |
| Diclofenac | 24.6 | 0.26 | 1.0 | ng/l | 10.0 | | 246 | 37-218 | | | Q-08 |
| Gemfibrozil | 12.1 | 0.080 | 1.0 | ng/l | 10.0 | | 121 | 76-122 | | | |
| Ibuprofen | 19.8 | 0.39 | 1.0 | ng/l | 10.0 | | 198 | 67-139 | | | Q-08 |
| Iopromide | 63.3 | 1.8 | 5.0 | ng/l | 50.0 | | 127 | 0.1-163 | | | |
| Naproxen | 16.7 | 0.25 | 1.0 | ng/l | 10.0 | | 167 | 64-138 | | | Q-08 |
| Salicylic Acid | 124 | 0.86 | 50 | ng/l | 100 | | 124 | 56-229 | | | |
| Triclosan | 12.1 | 1.2 | 2.0 | ng/l | 10.0 | | 121 | 76-139 | | | |
| **LCS Dup (W7I1389-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 16.2 | 0.27 | 1.0 | ng/l | 10.0 | | 162 | 53-168 | 3 | 30 | |
| Diclofenac | 22.3 | 0.26 | 1.0 | ng/l | 10.0 | | 223 | 37-218 | 10 | 30 | Q-08 |
| Gemfibrozil | 11.9 | 0.080 | 1.0 | ng/l | 10.0 | | 119 | 76-122 | 2 | 30 | |
| Ibuprofen | 18.0 | 0.39 | 1.0 | ng/l | 10.0 | | 180 | 67-139 | 10 | 30 | Q-08 |
| Iopromide | 57.4 | 1.8 | 5.0 | ng/l | 50.0 | | 115 | 0.1-163 | 10 | 30 | |
| Naproxen | 16.8 | 0.25 | 1.0 | ng/l | 10.0 | | 168 | 64-138 | 0.6 | 30 | Q-08 |
| Salicylic Acid | 125 | 0.86 | 50 | ng/l | 100 | | 125 | 56-229 | 0.8 | 30 | |
| Triclosan | 11.9 | 1.2 | 2.0 | ng/l | 10.0 | | 119 | 76-139 | 2 | 30 | |

### PPCPs - Hormones by LC/MSMS-APCI

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1388-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | | | | | | | |
| **LCS (W7I1388-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | 11.9 | 0.31 | 1.0 | ng/l | 10.0 | | 119 | 65-146 | | | |
| **LCS Dup (W7I1388-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | 11.8 | 0.31 | 1.0 | ng/l | 10.0 | | 118 | 65-146 | 0.8 | 30 | |



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## Notes and Definitions

| Item | Definition |
|---|---|
| B | Blank contamination. The analyte was found in the associated blank as well as in the sample. |
| E-01 | The concentration indicated for this analyte is an estimated value above the calibration range. |
| J | Estimated conc. detected <MRL and >MDL. |
| Q-08 | High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit. |
| QC-2 | This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date. |
| ND | NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL. |
| Dil | Dilution |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| % Rec | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |
| MDL | Method Detection Limit |
| MRL | The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR) |
| MDA | Minimum Detectable Activity |
| NR | Not Reportable |
| TIC | Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown. |

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

**Reviewed by:**

Regina Giancola
Project Manager

**DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015 ● SCAQMD #93LA1006**

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*



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WECK LABORATORIES, INC.

# Sample Receipt

| | | | |
|---|---|---|---|
| **WORK ORDER:** | 7I14003 | **Printed:** | 9/15/2017 1:01:25PM |
| **Client:** | FGL Environmental | **Project Manager:** | Regina Giancola |
| **Project:** | FGL Environmental | **Project Number:** | SP 1711096- (2-25173) |

**Report To:**
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

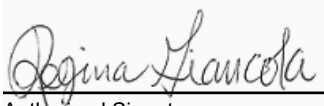
**Invoice To:**
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

| | | | |
|---|---|---|---|
| **Date Due:** | 09/28/17 09:00 (10 day TAT) | | |
| **Received By:** | Lian Guang Liao | **Date Received:** | 09/14/17 08:05 |
| **Logged In By:** | Angela P. Dominguez | **Date Logged In:** | 09/14/17 09:29 |

| | | | | | |
|---|---|---|---|---|---|
| Samples Received at: | **5.9°C** | | | | |
| All containers intact: | **Yes** | Sample labels & COC agree | **Yes** | Sufficient holding time for all tests | **Yes** |
| Custody Seals | **No** | Samples preserved properly | **Yes** | Received on Ice | **Yes** |
| Chain of custody completed | **Yes** | Sample volume sufficient | **Yes** | Appropriate sample containers | **Yes** |

## Samples

| Analysis | Expires | Analysis Comments |
|---|---|---|
| **7I14003-01 Sample Name: SMBRP-9 [Water] Sampled 9/12/2017 11:50** | | |
| NDMA | 09/19/17 11:50 | SEE COC |
| PPCP Hormones | 10/10/17 11:50 | SEE COC |
| PPCP Pharma-Negative | 10/10/17 11:50 | SEE COC |
| PPCP Pharma-Positive | 10/10/17 11:50 | SEE COC |
| **7I14003-02 Sample Name: MCWP-MW07S [Water] Sampled 9/12/2017 10:15** | | |
| NDMA | 09/19/17 10:15 | SEE COC |
| PPCP Hormones | 10/10/17 10:15 | SEE COC |
| PPCP Pharma-Negative | 10/10/17 10:15 | SEE COC |
| PPCP Pharma-Positive | 10/10/17 10:15 | SEE COC |
| **7I14003-03 Sample Name: LAMW-5S [Water] Sampled 9/12/2017 09:00** | | |
| NDMA | 09/19/17 09:00 | SEE COC |
| PPCP Hormones | 10/10/17 09:00 | SEE COC |
| PPCP Pharma-Negative | 10/10/17 09:00 | SEE COC |
| PPCP Pharma-Positive | 10/10/17 09:00 | SEE COC |



Authorized Signature

9/15/2017
Date

**Note:**
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.



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# Subcontract to
# Weck Laboratories, Inc.

TI 14003

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711096 - (2-25173)**

Purchase Order Number:

Sampler(s) Ryan S/Matt P

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT) | Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SMBRP-9 | 09/12/17 | 11:50 | G | MW | | | | 2 | 2 | | | | | | |
| 3 | MCWP-MW07S | 09/12/17 | 10:15 | G | MW | | | | 2 | 2 | | | | | | |
| 9 | LAMW-5S | 09/12/17 | 09:00 | G | MW | | | | 2 | 2 | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/13/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | [signature] | 9/14/17 | 08:05 | | | |

5.9°

September 21, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

SP 1711160:2, 4, 7, 10, 12 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

System Number :
Project Name : Malibu WWTP - Baseline GWM

## Sample Handling Information

| ID | Sample Number | Sample Description | Sample Type/Reason | Sampled By | Employed By | Sampled | Started | Finished |
|---|---|---|---|---|---|---|---|---|
| 1 | SP 1711160-002 | MCWP-MW04S | Source-Other | Matt P/Ryan S | Not Available | 09/13/2017 08:00 | 09/13/2017 15:52 lmm | 09/16/2017 lmm |
| 2 | SP 1711160-004 | SMBRP-12 | Source-Other | Matt P/Ryan S | Not Available | 09/13/2017 11:40 | 09/13/2017 16:16 lmm | 09/15/2017 lmm |
| 3 | SP 1711160-007 | MCWP-MW09 | Source-Other | Matt P/Ryan S | Not Available | 09/13/2017 13:20 | 09/13/2017 16:18 lmm | 09/17/2017 lmm |
| 4 | SP 1711160-010 | SMBRP-13 | Source-Other | Matt P/Ryan S | Not Available | 09/13/2017 10:40 | 09/13/2017 16:20 lmm | 09/17/2017 lmm |
| 5 | SP 1711160-012 | CCPE | Source-Other | Matt P/Ryan S | Not Available | 09/13/2017 09:50 | 09/13/2017 16:19 lmm | 09/17/2017 lmm |

## Analytical Results

| ID | Sample Description | Chlorine Total/Free | Temp °C | Method | Units | Total | Fecal | E. Coli | Person Notified ‡ | Date ‡ Notified | Time ‡ Notified | Foot Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MCWP-MW04S | --- | --- | SM 9221B | MPN/100ml | <1.8 ABSENT | <1.8 ABSENT | --- | N/R | | | |
| 2 | SMBRP-12 | --- | --- | SM 9221B | MPN/100ml | <1.8 ABSENT | <1.8 ABSENT | --- | N/R | | | |
| 3 | MCWP-MW09 | --- | --- | SM 9221B | MPN/100ml | 2 PRESENT | <1.8 ABSENT | --- | N/R | | | |
| 4 | SMBRP-13 | --- | --- | SM 9221B | MPN/100ml | 2 PRESENT | <1.8 ABSENT | --- | N/R | | | |
| 5 | CCPE | --- | --- | SM 9221B | MPN/100ml | 17 PRESENT | <1.8 ABSENT | --- | N/R | | | |

N/R Not Required. MPN Most Probable Number A/P Absence/Presence ‡ Client Notification details.

Analyses were performed using Standard Methods 21st edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-09-22



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1711160
Customer : 2-25173

## Laboratory Report

**Introduction:** This report package contains total of 112 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (8 pages) | : An overview of the work performed at FGL. |
| Sample Results | (50 pages) | : Results for each sample submitted. |
| Quality Control | (54 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab ID # | Matrix |
|---|---|---|---|---|
| Travel Blank | 09/13/2017 | 09/13/2017 | SP 1711160-000 | LBW |
| MCWP-MW04S | 09/13/2017 | 09/13/2017 | SP 1711160-002 | MW |
| SMBRP-12 | 09/13/2017 | 09/13/2017 | SP 1711160-004 | MW |
| MCWP-MW09 | 09/13/2017 | 09/13/2017 | SP 1711160-007 | MW |
| SMBRP-13 | 09/13/2017 | 09/13/2017 | SP 1711160-010 | MW |
| CCPE | 09/13/2017 | 09/13/2017 | SP 1711160-012 | MW |

**Sampling and Receipt Information:** All samples were received, prepared and analyzed within the method specified holding except those as listed in the table below.

| Lab ID | Analyte/Method | Required Holding Time | Actual Holding Time |
|---|---|---|---|
| SP 1711160-002 | Chlorine, Total | 15 | 37680 Minutes |
| SP 1711160-004 | Chlorine, Total | 15 | 37459.8 Minutes |
| SP 1711160-007 | Chlorine, Total | 15 | 37360.2 Minutes |

All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.



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October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

**Quality Control:** All samples were prepared and analyzed according to the following tables:

## Inorganic - Metals QC

| | |
|---|---|
| 200.7 | 09/15/2017:213964 All analysis quality controls are within established criteria, except:<br>The following note applies to Boron:<br>220 The CCB was greater than the DQO. However, all results were either five times greater than the CCB concentration or ND relative to the PQL. |
| | 09/17/2017:213973 All analysis quality controls are within established criteria. |
| | 09/15/2017:211114 All preparation quality controls are within established criteria, except:<br>The following note applies to Potassium:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 200.8 | 09/19/2017:214164 All analysis quality controls are within established criteria, except:<br>The following note applies to Beryllium:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/20/2017:214239 All analysis quality controls are within established criteria. |
| 245.1 | 09/29/2017:214696 All analysis quality controls are within established criteria. |
| | 09/29/2017:211748 All preparation quality controls are within established criteria. |
| 3010 | 09/18/2017:211156 All preparation quality controls are within established criteria, except:<br>The following note applies to Aluminum:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

## Organic QC

| | |
|---|---|
| 504 | 09/20/2017:211319 All preparation quality controls are within established criteria, except:<br>The following note applies to 1,3-Dibromopropane:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 504.1 | 09/22/2017:214159 All analysis quality controls are within established criteria. |
| 505 | 09/14/2017:213798 All analysis quality controls are within established criteria, except:<br>The following note applies to Tetrachloro-m-xylene:<br>362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Organic QC

| | |
|---|---|
| 505 | 09/13/2017:211014 All preparation quality controls are within established criteria. |
| 507 | 09/29/2017:214644 All analysis quality controls are within established criteria. |
| | 09/26/2017:211540 All preparation quality controls are within established criteria. |
| 515.3 | 09/25/2017:214317 All analysis quality controls are within established criteria. |
| | 09/21/2017:211389 All preparation quality controls are within established criteria, except:<br>The following note applies to 2,4,5-TP (Silvex):<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 524.2 | 09/14/2017:213994 All analysis quality controls are within established criteria, except:<br>The following note applies to Trichlorotrifluoroethane F-113, Bromomethane (Methyl Bromide), Trichlorofluoromethane F-11, Chloroethane (Ethyl Chloride:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/18/2017:214179 All analysis quality controls are within established criteria, except:<br>The following note applies to 1,1,2,2-Tetrachloroethane, Trichlorotrifluoroethane F-113, Bromomethane (Methyl Bromide), Dichlorodifluoromethane, Trich:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/25/2017:214521 All analysis quality controls are within established criteria, except:<br>The following note applies to 1,1,2,2-Tetrachloroethane, Trichlorotrifluoroethane F-113, Bromomethane (Methyl Bromide), Dichlorodifluoromethane, Trich:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/14/2017:211189 All preparation quality controls are within established criteria, except:<br>The following note applies to Trichlorotrifluoroethane F-113:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| | 09/18/2017:211272 All preparation quality controls are within established criteria, except:<br>The following note applies to Trichlorotrifluoroethane F-113:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Dichlorodifluoromethane, Freon-11:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| | 09/25/2017:211594 All preparation quality controls are within established criteria. |
| 531.1 | 09/15/2017:212156 All analysis quality controls are within established criteria. |
| | 09/14/2017:211066 All preparation quality controls are within established criteria. |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Organic QC

| | |
|---|---|
| 5310C | 09/20/2017:214222 All analysis quality controls are within established criteria. |
| | 09/20/2017:211306 All preparation quality controls are within established criteria. |
| 548.1 | 09/22/2017:214244 All analysis quality controls are within established criteria. |
| | 09/19/2017:211274 All preparation quality controls are within established criteria. |
| 549 | 09/19/2017:211268 All preparation quality controls are within established criteria, except:<br>The following note applies to Diquat Dibromide:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 549.2 | 09/26/2017:214477 All analysis quality controls are within established criteria. |
| 552 | 09/22/2017:211426 All preparation quality controls are within established criteria. |
| 552.2 | 09/23/2017:214323 All analysis quality controls are within established criteria, except:<br>The following note applies to 2,3-Dibromopropionic Acid:<br>362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| 608/8081 | 09/22/2017:214242 All analysis quality controls are within established criteria. |
| | 09/18/2017:211160 All preparation quality controls are within established criteria, except:<br>The following note applies to Tetrachloro-m-xylene:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 624 | 09/14/2017:214550 All analysis quality controls are within established criteria, except:<br>The following note applies to Acrylonitrile:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/14/2017:211554 All preparation quality controls are within established criteria, except:<br>The following note applies to 2-Chloroethylvinyl ether, Acrylonitrile, Chloroform, Freon-11, Chloroethane (Ethyl Chloride):<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to 2-Chloroethylvinyl ether:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 625 | 09/22/2017:214390 All analysis quality controls are within established criteria, except:<br>The following note applies to 4-Nitrophenol, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene, Indeno(1,2,3-c,d)pyrene:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |

## Organic QC

| | |
|---|---|
| 625 | 09/19/2017:211226 All preparation quality controls are within established criteria, except:<br>The following note applies to Hexachlorocyclopentadiene:<br>436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.<br>The following note applies to 2,4-Dinitrophenol:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Pyrene:<br>310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 625P | 09/21/2017:214485 All analysis quality controls are within established criteria. |
| | 09/22/2017:214486 All analysis quality controls are within established criteria. |
| | 09/19/2017:211227 All preparation quality controls are within established criteria, except:<br>The following note applies to Aldrin, cis_Nonachlor, Dieldrin, gamma-Chlordane, Heptachlor, Heptachlor Epoxide, o,p - DDD, o,p - DDE, p,p`-DDD, p,p`-D:<br>436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Beta BHC, Endrin, Endrin Ketone, Methoxychlor:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |

## Radio QC

| | |
|---|---|
| 900.0 | 10/07/2017:215207 All analysis quality controls are within established criteria. |
| | 10/06/2017:215274 All analysis quality controls are within established criteria. |
| | 10/04/2017:211945 All preparation quality controls are within established criteria. |
| 903.0 | 09/27/2017:214650 All analysis quality controls are within established criteria. |
| | 09/24/2017:211451 All preparation quality controls are within established criteria. |
| 906.0 | 09/17/2017:213990 All analysis quality controls are within established criteria. |
| | 09/16/2017:211140 All preparation quality controls are within established criteria. |
| 908.0 | 09/29/2017:214757 All analysis quality controls are within established criteria. |
| | 09/25/2017:211488 All preparation quality controls are within established criteria. |
| Ra - 05 | 10/05/2017:214669 All analysis quality controls are within established criteria. |

## Radio QC

| | |
|---|---|
| Ra - 05 | 10/05/2017:215053 All analysis quality controls are within established criteria. |
| | 10/05/2017:215054 All analysis quality controls are within established criteria. |
| | 10/01/2017:211578 All preparation quality controls are within established criteria. |
| SM7110C | 10/03/2017:214934 All analysis quality controls are within established criteria. |
| | 10/05/2017:214935 All analysis quality controls are within established criteria. |
| | 09/28/2017:211691 All preparation quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 1664A | 09/19/2017:211254 All preparation quality controls are within established criteria, except:<br>The following note applies to Oil and Grease:<br>436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |
| | 09/21/2017:211359 All preparation quality controls are within established criteria. |
| 2120B | 09/14/2017:213913 All analysis quality controls are within established criteria. |
| | 09/14/2017:211115 All preparation quality controls are within established criteria. |
| 2130B | 09/14/2017:213906 All analysis quality controls are within established criteria. |
| | 09/14/2017:211109 All preparation quality controls are within established criteria. |
| 2150B | 09/14/2017:211116 All preparation quality controls are within established criteria. |
| 218.6 | 09/18/2017:214067 All analysis quality controls are within established criteria. |
| | 09/18/2017:211232 All preparation quality controls are within established criteria. |
| 2320B | 09/14/2017:213886 All analysis quality controls are within established criteria. |
| | 09/14/2017:211025 All preparation quality controls are within established criteria, except:<br>The following note applies to Alkalinity (as CaCO3), Bicarbonate:<br>440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 2510B | 09/14/2017:213819 All analysis quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 2510B | 09/14/2017:211033 All preparation quality controls are within established criteria. |
| 2540CE | 09/15/2017:211113 All preparation quality controls are within established criteria. |
| | 09/18/2017:211119 All preparation quality controls are within established criteria. |
| 2540D | 09/15/2017:211211 All preparation quality controls are within established criteria. |
| 300.0 | 09/15/2017:214205 All analysis quality controls are within established criteria. |
| | 09/16/2017:214207 All analysis quality controls are within established criteria. |
| | 09/16/2017:211151 All preparation quality controls are within established criteria. |
| | 09/14/2017:211314 All preparation quality controls are within established criteria. |
| 314.0 | 09/23/2017:214659 All analysis quality controls are within established criteria. |
| | 10/07/2017:215185 All analysis quality controls are within established criteria. |
| | 09/22/2017:211692 All preparation quality controls are within established criteria. |
| | 10/06/2017:212126 All preparation quality controls are within established criteria. |
| 351.2 | 09/26/2017:211532 All preparation quality controls are within established criteria. |
| | 09/27/2017:211581 All preparation quality controls are within established criteria. |
| 4500ClG | 10/09/2017:215175 All analysis quality controls are within established criteria. |
| | 10/09/2017:212128 All preparation quality controls are within established criteria. |
| 4500CNCE | 09/21/2017:214193 All analysis quality controls are within established criteria. |
| | 09/20/2017:211253 All preparation quality controls are within established criteria. |
| 4500NH3G | 09/15/2017:213889 All analysis quality controls are within established criteria. |
| | 09/15/2017:211082 All preparation quality controls are within established criteria, except:<br>The following note applies to Ammonia Nitrogen:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 4500NO2B | 09/14/2017:213881 All analysis quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 4500NO2B | 09/14/2017:211078 All preparation quality controls are within established criteria. |
| 4500NO2F | 09/13/2017:211006 All preparation quality controls are within established criteria. |
| 4500NO3F | 09/13/2017:213776 All analysis quality controls are within established criteria. |
| | 09/13/2017:213823 All analysis quality controls are within established criteria. |
| | 09/14/2017:213926 All analysis quality controls are within established criteria. |
| | 09/13/2017:210988 All preparation quality controls are within established criteria. |
| | 09/14/2017:211064 All preparation quality controls are within established criteria. |
| 4500-P B | 09/25/2017:211523 All preparation quality controls are within established criteria. |
| 4500PE | 09/25/2017:214428 All analysis quality controls are within established criteria. |
| 5210B | 09/19/2017:214116 All analysis quality controls are within established criteria. |
| | 09/14/2017:211056 All preparation quality controls are within established criteria, except:<br>The following note applies to BOD:<br>440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 5540C | 09/14/2017:213899 All analysis quality controls are within established criteria. |
| | 09/15/2017:214025 All analysis quality controls are within established criteria. |
| | 09/14/2017:211090 All preparation quality controls are within established criteria. |
| | 09/15/2017:211210 All preparation quality controls are within established criteria. |
| EPA351.2 | 09/28/2017:214612 All analysis quality controls are within established criteria. |

**Certification::** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2017-10-11

October 11, 2017

Lab ID : SP 1711160-000
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 13, 2017-00:00
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Lab. Blank Water

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 90.3 | 70-130 | | % | 1 | | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,2-Dichlorobenzene-d4‡ | 95.3 | 70-130 | | % | 1 | | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Chloroform | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |



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853 Corporation Street
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## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Dichloromethane | 0.571 | 0.5 | 0.062 | ug/L | 1 | | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.091 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Trichloroethylene | ND | 0.5 | 0.060 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |
| Total Trihalomethanes | ND | --- | --- | ug/L | 1 | U | 524.2 | 211594 | 09/25/17 08:00 | 524.2 | 214521-GM215 | 09/25/17-20:48VRG |

**DQF Flags Definition:**

U Constituent results were non-detect.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW04S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-002
Customer ID : 2-25173

Sampled On : September 13, 2017-08:00
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Mineral** | | | | | | | | | | | | |
| Total Hardness as CaCO3 | 2610 | 2.5 | 0.0065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Calcium | 560 | 1 | 0.0065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Magnesium | 295 | 1 | 0.0037 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Potassium | 2.99 | 1 | 0.065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Sodium | 1070 | 10 | 0.27 | mg/L | 10 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213973-IT203 | 09/17/17-16:31AC |
| Total Cations | 98.8 | 0.1 | 0.0065 | meq/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Boron | 2.11 | 0.05 | 0.0050 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Copper | 7.75 | 10 | 1.2 | ug/L | 1 | J | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Iron | 336 | 50 | 5.0 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Manganese | 175 | 10 | 0.099 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Zinc | 33.6 | 20 | 1.0 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| SAR | 9.11 | 0.1 | 0.0065 | -- | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:34AC |
| Total Alkalinity (as CaCO3) | 577 | 10 | 1.1 | mg/L | 1 | I | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:47AMB |
| Hydroxide as OH | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:47AMB |
| Carbonate as CO3 | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:47AMB |
| Bicarbonate as HCO3 | 704 | 10 | 1.1 | mg/L | 1.000 | I | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:47AMB |
| Sulfate | 2880 | 20 | 0.015 | mg/L | 20 | b | 300.0 | 211151 | 09/16/17 13:40 | 300.0 | 214207-IC210 | 09/16/17-19:53MCA |
| Chloride | 791 | 20 | 0.0045 | mg/L | 20 | | 300.0 | 211151 | 09/16/17 13:40 | 300.0 | 214207-IC210 | 09/16/17-19:53MCA |
| Nitrate as NO3 | 3.00 | 0.4 | 0.032 | mg/L | 1 | | 4500NO3F | 211064 | 09/14/17 14:00 | 4500NO3F | 213926-FI207 | 09/14/17-16:09JDD |
| Nitrite as N | 0.0316 | 0.1 | 0.0044 | mg/L | 1 | J | 4500NO2B | 211078 | 09/14/17 18:45 | 4500NO2B | 213881-UV205 | 09/14/17-19:48SJN |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Nitrate + Nitrite as N | 0.671 | 0.1 | 0.032 | mg/L | 1 | | 4500NO3F | 211064 | 09/14/17 14:00 | 4500NO3F | 213926-FI207 | 09/14/17-16:09JDD |
| Fluoride | 0.715 | 0.1 | 0.0021 | mg/L | 1 | | 300.0 | 211151 | 09/16/17 13:40 | 300.0 | 214207-IC210 | 09/16/17-19:31MCA |
| Total Anions | 93.9 | 0.1 | 0.010 | meq/L | 1.000 | Ib | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:47AMB |
| pH | 7.55 | -- | 0.010 | units | 1 | | 4500-H B | 211258 | 09/13/17 08:00 | 4500HB | 214086-CL000 | 09/13/17-08:00MP/RS |
| Specific Conductance | 7380 | 1 | 0.16 | umhos/cm | 1 | b | 2510B | 211033 | 09/14/17 09:05 | 2510B | 213819-EC205 | 09/14/17-13:12JMG |
| Total Dissolved Solids | 6380 | 73 | 5.8 | mg/L | 1.8214 | b | 2540CE | 211113 | 09/15/17 13:38 | 2540C | 213966-WT219 | 09/18/17-06:05AMB |
| MBAS (foaming agents) | 0.143 | 0.1 | 0.017 | mg/L | 1 | | 5540C | 211090 | 09/14/17 18:00 | 5540C | 213899-UV208 | 09/14/17-21:00jba |
| Aggressiveness Index | 13.5 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/13/17 08:00 | 4500HB | 214086-CL000 | 09/13/17-08:00MP/RS |
| Langelier Index (20°C) | 1.5 | 1 | 0.010 | -- | 1 | bI | 4500-H B | 211258 | 09/13/17 08:00 | 4500HB | 214086-CL000 | 09/13/17-08:00MP/RS |
| Nitrate Nitrogen | 0.700 | 0.1 | 0.032 | mg/L | 1 | | 4500NO3F | 211064 | 09/14/17 14:00 | 4500NO3F | 213926-FI207 | 09/14/17-16:09JDD |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | 0.388 | 0.01 | 0.000050 | mg/L | 1 | l | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Antimony | 0.00177 | 0.001 | 0.000044 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Arsenic | 0.0115 | 0.002 | 0.000047 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:38AC |
| Barium | 0.0382 | 0.0002 | 0.000026 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Beryllium | ND | 0.0002 | 0.000043 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Cadmium | 0.000310 | 0.0002 | 0.000031 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Chromium | 0.00470 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Copper | 0.0123 | 0.001 | 0.000071 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Lead | 0.000256 | 0.0002 | 0.000013 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Mercury | 0.0000107 | 0.00001 | .0000021 | mg/L | 1 | | 245.1 | 211748 | 09/29/17 07:00 | 245.1 | 214696-HG204 | 09/29/17-13:20AC |
| Nickel | 0.0160 | 0.001 | 0.000040 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:38AC |
| Selenium | 0.0889 | 0.002 | 0.00017 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:38AC |
| Silver | 0.0000480 | 0.00025 | 0.000022 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Thallium | ND | 0.0002 | 0.000018 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| Chromium III | 0.00407 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:32AC |
| **Wet Chemistry** | | | | | | | | | | | | |
| BOD | 0.4 | 2 | 0.19 | mg/L | 1 | JI | 5210B | 211056 | 09/14/17 17:22 | 5210B | 214116-O2205 | 09/19/17-12:17kmm |
| Chlorine, Total | ND | 0.1 | 0.017 | mg/L | 1 | UT | 4500ClG | 212128 | 10/09/17 12:00 | 4500ClG | 215175-UV205 | 10/09/17-12:52AMM |
| Chromium VI | 0.628 | 0.1 | 0.012 | ug/L | 1 | | 218.6 | 211232 | 09/18/17 14:30 | 218.6 | 214067-IC209 | 09/18/17-19:08JDD |

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **Wet Chemistry** | | | | | | | | | | | | |
| Color | 65.0 | 5 | 0.0 | units | 1 | | 2120B | 211115 | 09/14/17 07:15 | 2120B | 213913-JMG | 09/14/17-07:40jmg |
| Cyanide, Total | ND | 0.01 | 0.0010 | mg/L | 1 | U | 4500CNCE | 211253 | 09/20/17 11:26 | 4500CNCE | 214193-UV205 | 09/21/17-10:49AMM |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | U | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:09AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:09AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | U | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:26AMB |
| Nitrogen, Total as Nitrogen | 0.671 | 0.5 | 0.32 | mg/L | 1 | | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:26AMB |
| Nitrate + Nitrite as N | 0.671 | 0.1 | 0.032 | mg/L | 1 | | 4500NO3F | 211064 | 09/14/17 14:00 | 4500NO3F | 213926-FI207 | 09/14/17-16:09JDD |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | U | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:26AMB |
| Odor | 4.00 | 1 | 0.0 | TON | 1 | | 2150B | 211116 | 09/14/17 06:35 | 2150B | 213914-JMG | 09/14/17-07:20jmg |
| Oil and Grease | ND | 3.3 | 1.5 | mg/L | 1.087 | UL | 1664A | 211254 | 09/19/17 11:32 | 1664A | 214156-WT215 | 09/20/17-11:29AMM |
| Phosphorus, Total | 0.449 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211523 | 09/25/17 15:30 | 4500PE | 214428-UV205 | 09/25/17-17:03SJN |
| Solids, Total Suspended (TSS) | 8.29 | 1.4 | 0.49 | mg/L | 1.4286 | | 2540D | 211211 | 09/15/17 17:00 | 2540D | 214106-WT215 | 09/19/17-15:15jba |
| Turbidity | 1.16 | 0.2 | 0.048 | NTU | 1 | | 2130B | 211109 | 09/14/17 21:22 | 2130B | 213906-TR203 | 09/14/17-21:28jba |
| Perchlorate | ND | 2 | 0.29 | ug/L | 1 | U | 314.0 | 212126 | 10/06/17 18:00 | 314.0 | 215185-IC207 | 10/07/17-03:26MCA |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| I | Reported value is estimated due to RPD exceedance. |
| T | Exceeded method-specific holding time. |

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW04S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-002
Customer ID : 2-25173

Sampled On : September 13, 2017-08:00
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 129 | 70-130 | | % | 0.98351 | | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-00:42SBL |
| DBCP | ND | 0.0098 | 0.0057 | ug/L | 0.98351 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-00:42SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 0.98351 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-00:42SBL |
| **EPA 505** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 99.2 | 70-130 | | % | 1 | | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Alachlor | ND | 0.2 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Aldrin | ND | 0.01 | 0.0040 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Chlordane | ND | 0.1 | 0.041 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Dieldrin | ND | 0.0098 | 0.0024 | ug/L | 0.97983 | Ub | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Endrin | ND | 0.01 | 0.0054 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Heptachlor | ND | 0.01 | 0.0026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Heptachlor Epoxide | ND | 0.01 | 0.0046 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Hexachlorobenzene | ND | 0.01 | 0.0031 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Hexachlorocyclopentadiene | ND | 0.1 | 0.027 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Lindane (Gamma BHC) | ND | 0.05 | 0.0049 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Methoxychlor | ND | 0.1 | 0.0098 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| Toxaphene | ND | 0.5 | 0.11 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| PCB 1016 | ND | 0.5 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| PCB 1221 | ND | 0.5 | 0.067 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| PCB 1232 | ND | 0.5 | 0.073 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 505** | | | | | | | | | | | | |
| PCB 1242 | ND | 0.5 | 0.14 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| PCB 1248 | ND | 0.5 | 0.15 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| PCB 1254 | ND | 0.5 | 0.026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| PCB 1260 | ND | 0.5 | 0.12 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-10:35SBL |
| **EPA 507** | | | | | | | | | | | | |
| Triphenylphosphate‡ | 46.6 | 70-130 | | % | 0.93897 | L | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Alachlor | ND | 0.94 | 0.16 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Atrazine | ND | 0.94 | 0.14 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Bromacil | ND | 1.9 | 0.12 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Butachlor | ND | 0.94 | 0.21 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Diazinon | ND | 1.9 | 0.18 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Dimethoate | ND | 1.9 | 0.089 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Metolachlor | ND | 0.94 | 0.41 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Metribuzin | ND | 0.47 | 0.24 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Molinate | ND | 1.9 | 0.13 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Prometryne | ND | 1.9 | 0.095 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Propachlor | ND | 0.94 | 0.12 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Simazine | ND | 0.94 | 0.16 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Thiobencarb | ND | 0.94 | 0.15 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| Cyanazine | ND | 0.94 | 0.11 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-00:45SG |
| **EPA 515** | | | | | | | | | | | | |
| 2,4-DCAA‡ | 81.0 | 70-130 | | % | 1 | | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| Bentazon | ND | 2 | 0.45 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| 2,4-D | ND | 2 | 0.90 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| Dalapon | ND | 10 | 3.5 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| Dicamba | ND | 1 | 0.29 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| Dinoseb | ND | 1 | 0.49 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| Pentachlorophenol | ND | 0.2 | 0.10 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| Picloram | ND | 1 | 0.18 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| 2,4,5-TP (Silvex) | ND | 1 | 0.32 | ug/L | 1 | Ul | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 515** | | | | | | | | | | | | |
| 2,4,5-T | ND | 1 | 0.42 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:17SG |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 82.4 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,2-Dichlorobenzene-d4‡ | 82.1 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Chloroform | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.091 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Trichloroethylene | ND | 0.5 | 0.060 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | Uh | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| Total Trihalomethanes | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:12VRG |
| **EPA 531.1** | | | | | | | | | | | | |
| Aldicarb | ND | 3 | 0.15 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:38SG |
| Aldicarb Sulfone | ND | 2 | 0.31 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:38SG |
| Aldicarb Sulfoxide | ND | 3 | 0.68 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:38SG |
| Carbaryl | ND | 5 | 0.36 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:38SG |
| Carbofuran | ND | 5 | 1.1 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:38SG |
| 3-Hydroxycarbofuran | ND | 10 | 1.8 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:38SG |
| Methomyl | ND | 5 | 0.56 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:38SG |
| Oxamyl | ND | 5 | 1.4 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-15:38SG |
| **EPA 548.1** | | | | | | | | | | | | |
| Endothall | ND | 40 | 16 | ug/L | 1 | U | 548.1 | 211274 | 09/19/17 15:28 | 548.1 | 214244-GC220 | 09/22/17-00:13SG |
| **EPA 549** | | | | | | | | | | | | |
| Diquat | ND | 2 | 0.12 | ug/L | 1 | U | 549 | 211268 | 09/19/17 14:11 | 549.2 | 214477-LC204 | 09/26/17-13:37SG |
| **EPA 552.2** | | | | | | | | | | | | |
| 2,3-Dibromopropionic Acid‡ | 101 | 70-130 | | % | 1 | | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:09SBL |
| Bromoacetic Acid | ND | 1 | 0.55 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:09SBL |
| Chloroacetic Acid | ND | 2 | 0.28 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:09SBL |
| Dibromoacetic Acid | 0.550 | 1 | 0.25 | ug/L | 1 | J | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:09SBL |
| Dichloroacetic Acid | ND | 1 | 0.57 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:09SBL |
| Trichloroacetic Acid | ND | 1 | 0.39 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:09SBL |
| Haloacetic acids (five) | 0.550 | --- | --- | ug/L | 1 | UJ | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:09SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 608** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 55.4 | 15-143 | | % | 0.93458 | | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| Chlordane | ND | 1.9 | 0.025 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| PCB 1016 | ND | 0.47 | 0.13 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| PCB 1221 | ND | 0.47 | 0.19 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| PCB 1232 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| PCB 1242 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| PCB 1248 | ND | 0.47 | 0.056 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| PCB 1254 | ND | 0.47 | 0.086 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| PCB 1260 | ND | 0.47 | 0.11 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| Toxaphene | ND | 1.9 | 0.044 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-03:39SBL |
| **EPA 624** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 101 | 70-161 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Fluorobenzene‡ | 99.3 | 72-139 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Pentafluorobenzene‡ | 110 | 59-151 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Acetone | ND | 50 | 7.2 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Acrylonitrile | ND | 2 | 0.85 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Benzene | ND | 0.5 | 0.13 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Bromodichloromethane | ND | 0.5 | 0.089 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Bromoform | ND | 1 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Bromomethane | ND | 0.5 | 0.25 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Chloromethane | ND | 0.5 | 0.36 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 2-Butanone (MEK) | ND | 10 | 0.83 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Carbon Disulfide | ND | 5 | 0.26 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Chlorobenzene | ND | 0.5 | 0.036 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Chloroethane | ND | 0.5 | 0.37 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 2-Chloroethylvinyl ether | ND | 10 | 0.14 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Chloroform | ND | 0.5 | 0.045 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Dibromochloromethane | ND | 0.5 | 0.078 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 624** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.026 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.11 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.063 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.044 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.49 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| trans-1,2-Dichloroethylene | ND | 1 | 0.12 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.094 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.10 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| trans-1,3-Dichloropropene | ND | 1 | 0.035 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Ethyl Benzene | ND | 0.5 | 0.046 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 2-Hexanone | ND | 5 | 0.46 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | 0.29 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Methylene Chloride | ND | 0.5 | 0.24 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.081 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Styrene | ND | 0.5 | 0.059 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.076 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Tetrachloroethylene | ND | 0.5 | 0.056 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Toluene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.053 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Trichloroethylene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Trichlorofluoromethane | ND | 1.5 | 0.15 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Vinyl Acetate | ND | 100 | 0.15 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Vinyl Chloride | ND | 0.5 | 0.17 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Xylenes m,p | ND | 0.5 | 0.084 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Xylenes o | ND | 0.5 | 0.062 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |
| Xylenes | ND | --- | --- | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:32VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 2-Fluorobiphenyl‡ | 40.5 | 29-98 | | % | 0.93897 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2-Fluorophenol‡ | 46.4 | 23-105 | | % | 0.93897 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Nitrobenzene-d5‡ | 41.0 | 23-104 | | % | 0.93897 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Phenol-d6‡ | 45.4 | 26-102 | | % | 0.93897 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| p-Terphenyl-d14‡ | 33.8 | 29-93 | | % | 0.93897 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2,4,6-Tribromophenol‡ | 48.1 | 34-116 | | % | 0.93897 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Acenaphthene | ND | 0.94 | 0.50 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Acenaphthylene | ND | 0.94 | 0.39 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Anthracene | ND | 0.94 | 0.43 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Benzidine | ND | 9.4 | 1.8 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Benzo(a)anthracene | ND | 0.94 | 0.43 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Benzo(a)pyrene | ND | 0.94 | 0.40 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Benzo(b)fluoranthene | ND | 0.94 | 0.37 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Benzo(g,h,i)perylene | ND | 0.94 | 0.40 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Benzo(k)fluoranthene | ND | 0.94 | 0.50 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| bis(2-Chloroethoxy)methane | ND | 0.94 | 0.56 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| bis(2-Chloroethyl)ether | ND | 0.94 | 0.52 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| bis(2-Chloroisopropyl)ether | ND | 0.94 | 0.53 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| bis(2-Ethylhexyl)phthalate | ND | 1.9 | 0.41 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 4-Bromophenylphenylether | ND | 0.94 | 0.46 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Butylbenzylphthalate | ND | 1.9 | 0.29 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 4-Chloro-3-methylphenol | ND | 1.9 | 0.86 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2-Chloronaphthalene | ND | 0.94 | 0.63 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2-Chlorophenol | ND | 1.9 | 1.0 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 4-Chlorophenylphenylether | ND | 0.94 | 0.62 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Chrysene | ND | 0.94 | 0.51 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Dibenzo(a,h)anthracene | ND | 0.94 | 0.37 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 1,2-Dichlorobenzene | ND | 0.94 | 0.47 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 1,3-Dichlorobenzene | ND | 0.94 | 0.45 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 1,4-Dichlorobenzene | ND | 0.94 | 0.47 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 0.94 | 0.43 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2,4-Dichlorophenol | ND | 1.9 | 0.79 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Diethylphthalate | ND | 0.94 | 0.34 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2,4-Dimethylphenol | ND | 1.9 | 0.76 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Dimethylphthalate | ND | 0.94 | 0.31 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Di-n-butylphthalate | ND | 1.9 | 0.35 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 4,6-Dinitro-2-methylphenol | ND | 0.94 | 0.43 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2,4-Dinitrophenol | ND | 4.7 | 0.22 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2,4-Dinitrotoluene | ND | 0.94 | 0.49 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2,6-Dinitrotoluene | ND | 0.94 | 0.55 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Di-n-octylphthalate | ND | 0.94 | 0.31 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 1,2-Diphenylhydrazine | ND | 0.94 | 0.47 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Fluoranthene | ND | 0.94 | 0.44 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Fluorene | ND | 0.94 | 0.62 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Hexachlorobenzene | ND | 0.94 | 0.47 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Hexachlorobutadiene | ND | 0.94 | 0.45 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Hexachlorocyclopentadiene | ND | 0.94 | 0.24 | ug/L | 0.93897 | UH | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Hexachloroethane | ND | 0.94 | 0.43 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Indeno(1,2,3-c,d)pyrene | ND | 0.94 | 0.38 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Isophorone | ND | 0.94 | 0.41 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Naphthalene | ND | 0.94 | 0.55 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Nitrobenzene | ND | 0.94 | 0.47 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 4-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| N-Nitrosodimethylamine | ND | 1.9 | 0.47 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| N-Nitrosodi-n-propylamine | ND | 0.94 | 0.53 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| N-Nitrosodiphenylamine | ND | 0.94 | 0.74 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Pentachlorophenol | ND | 1.9 | 0.91 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Phenanthrene | ND | 0.94 | 0.018 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Phenol | ND | 0.94 | 0.88 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| Pyrene | ND | 0.94 | 0.46 | ug/L | 0.93897 | UH | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| Pyridine | ND | 9.4 | 0.32 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 1,2,4-Trichlorobenzene | ND | 0.94 | 0.48 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2,4,6-Trichlorophenol | ND | 0.94 | 0.90 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| 2,4,5-Trichlorophenol | ND | 1.9 | 1.2 | ug/L | 0.93897 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:02SBL |
| **EPA 625 Pest** | | | | | | | | | | | | |
| Aldrin | ND | 4.7 | 0.91 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Alpha BHC | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Beta BHC | ND | 4.7 | 1.5 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Delta BHC | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Lindane (Gamma BHC) | ND | 4.7 | 3.7 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| alpha-Chlordane | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| gamma-Chlordane | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| o,p - DDD | ND | 4.7 | 0.54 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| o,p - DDE | ND | 4.7 | 0.35 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| o,p - DDT | ND | 4.7 | 0.95 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| p,p'-DDD | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| p,p'-DDE | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| p,p'-DDT | ND | 4.7 | 4.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Dieldrin | ND | 4.7 | 1.5 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Endosulfan I | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Endosulfan II | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Endosulfan Sulfate | ND | 4.7 | 1.2 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Endrin | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Endrin Aldehyde | ND | 4.7 | 1.9 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Endrin Ketone | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Heptachlor | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Heptachlor Epoxide | ND | 4.7 | 0.77 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Methoxychlor | ND | 4.7 | 0.46 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| cis_Nonachlor | ND | 47 | 1.6 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 625 Pest** | | | | | | | | | | | | |
| trans-Nonachlor | ND | 47 | 1.2 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| Tetrachloro-m-xylene‡ | 78.5 | 26-90 | | % | 0.93458 | | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-19:30SG |
| **TOC** | | | | | | | | | | | | |
| TOC | 4.03 | 0.5 | 0.15 | mg/L | 1 | | 5310C | 211306 | 09/20/17 10:39 | 5310C | 214222-TC203 | 09/20/17-15:13AMM |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| H | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| f | MS/MSD QC requirement met by BS/BSD due to limited sample volume. |

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW04S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-002
Customer ID : 2-25173

Sampled On : September 13, 2017-08:00
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Radio

| Constituent | Result ± Error | MDA | Units | MCL/AL | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Radio Chemistry** | | | | | | | | | | | |
| Gross Alpha | 49.1 ± 8.21 | 2.79 | pCi/L | 15 | | SM7110C | 211691 | 09/28/17 17:40 | SM7110C | 214934-GP209 | 10/03/17-14:50RMM |
| Gross Beta | 0.000 ± 6.43 | 6.48 | pCi/L | 50 | | 900.0 | 211945 | 10/04/17 16:00 | 900.0 | 215274-GP217 | 10/06/17-15:40aat |
| Total Alpha Radium (226) | 0.138 ± 0.163 | 0.363 | pCi/L | 3 | | 903.0 | 211451 | 09/24/17 11:00 | 903.0 | 214650-GP215 | 09/27/17-12:10aat |
| Tritium | 293 ± 267 | 434 | pCi/L | 20000 | | 906.0 | 211140 | 09/16/17 05:47 | 906.0 | 213990-LS202 | 09/17/17-02:12elc |
| Uranium | 49.7 ± 4.96 | 0.470 | pCi/L | 20 | | 908.0 | 211488 | 09/25/17 11:02 | 908.0 | 214757-GP216 | 09/29/17-16:00aat |
| Ra 228 | 0.000 ± 0.565 | 0.505 | pCi/L | 2 | | Ra - 05 | 211578 | 10/01/17 14:00 | Ra - 05 | 215053-GP218 | 10/05/17-19:30emv |

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 11, 2017

Lab ID : SP 1711160-004
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 13, 2017-11:40
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Description : SMBRP-12
Project : Malibu WWTP - Baseline GWM

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Total Hardness as CaCO3 | 548 | 2.5 | 0.0065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Calcium | 97.0 | 1 | 0.0065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Magnesium | 74.4 | 1 | 0.0037 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Potassium | 32.6 | 1 | 0.065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Sodium | 518 | 5 | 0.27 | mg/L | 5 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213973-IT203 | 09/17/17-16:36AC |
| Total Cations | 34.3 | 0.1 | 0.0065 | meq/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Boron | 0.910 | 0.05 | 0.0050 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213973-IT203 | 09/17/17-12:02AC |
| Copper | ND | 10 | 1.2 | ug/L | 1 | U | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Iron | 1300 | 50 | 5.0 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Manganese | 424 | 10 | 0.099 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Zinc | 4.63 | 20 | 1.0 | ug/L | 1 | J | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| SAR | 9.62 | 0.1 | 0.0065 | -- | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:36AC |
| Total Alkalinity (as CaCO3) | 377 | 10 | 1.1 | mg/L | 1 | I | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:35AMB |
| Hydroxide as OH | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:35AMB |
| Carbonate as CO3 | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:35AMB |
| Bicarbonate as HCO3 | 460 | 10 | 1.1 | mg/L | 1.000 | I | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:35AMB |
| Sulfate | 508 | 10 | 0.015 | mg/L | 10 | b | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-04:43MCA |
| Chloride | 482 | 10 | 0.0045 | mg/L | 10 | | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-04:43MCA |
| Nitrate as NO3 | ND | 0.4 | 0.0032 | mg/L | 1 | U | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-00:48MCA |
| Nitrite as N | ND | 0.1 | 0.0010 | mg/L | 1 | U | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-00:48MCA |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Nitrate + Nitrite as N | ND | 0.1 | 0.0032 | mg/L | 1 | U | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-00:48MCA |
| Fluoride | 0.444 | 0.1 | 0.0021 | mg/L | 1 | | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-00:48MCA |
| Total Anions | 31.7 | 0.1 | 0.010 | meq/L | 1.000 | Ib | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:35AMB |
| pH | 7.27 | -- | 0.010 | units | 1 | | 4500-H B | 211258 | 09/13/17 11:40 | 4500HB | 214086-CL000 | 09/13/17-11:40MP/RS |
| Specific Conductance | 3110 | 1 | 0.16 | umhos/cm | 1 | b | 2510B | 211033 | 09/14/17 09:05 | 2510B | 213819-EC205 | 09/14/17-13:12JMG |
| Total Dissolved Solids | 1950 | 40 | 5.8 | mg/L | 1 | b | 2540CE | 211119 | 09/18/17 12:13 | 2540C | 214054-WT219 | 09/19/17-05:46AMB |
| MBAS (foaming agents) | 0.155 | 0.1 | 0.017 | mg/L | 1 | | 5540C | 211090 | 09/14/17 18:00 | 5540C | 213899-UV208 | 09/14/17-21:00jba |
| Aggressiveness Index | 12.2 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/13/17 11:40 | 4500HB | 214086-CL000 | 09/13/17-11:40MP/RS |
| Langelier Index (20°C) | 0.3 | 1 | 0.010 | -- | 1 | bI | 4500-H B | 211258 | 09/13/17 11:40 | 4500HB | 214086-CL000 | 09/13/17-11:40MP/RS |
| Nitrate Nitrogen | ND | 0.1 | 0.00080 | mg/L | 1 | U | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-00:48MCA |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | 0.0190 | 0.01 | 0.000050 | mg/L | 1 | l | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Antimony | 0.000373 | 0.001 | 0.000044 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Arsenic | 0.0149 | 0.002 | 0.000047 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:45AC |
| Barium | 0.0570 | 0.0002 | 0.000026 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Beryllium | ND | 0.0002 | 0.000043 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Cadmium | ND | 0.0002 | 0.000031 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Chromium | 0.000836 | 0.001 | 0.000066 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Copper | 0.00286 | 0.001 | 0.000071 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Lead | ND | 0.0002 | 0.000013 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Mercury | 0.00000609 | 0.00001 | .0000021 | mg/L | 1 | J | 245.1 | 211748 | 09/29/17 07:00 | 245.1 | 214696-HG204 | 09/29/17-13:24AC |
| Nickel | 0.0122 | 0.001 | 0.000040 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:45AC |
| Selenium | 0.00157 | 0.002 | 0.00017 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:45AC |
| Silver | 0.0000350 | 0.00025 | 0.000022 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Thallium | ND | 0.0002 | 0.000018 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| Chromium III | 0.000605 | 0.001 | 0.000066 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:39AC |
| **Wet Chemistry** | | | | | | | | | | | | |
| BOD | 0.5 | 2 | 0.19 | mg/L | 1 | JI | 5210B | 211056 | 09/14/17 17:26 | 5210B | 214116-O2205 | 09/19/17-12:17kmm |
| Chlorine, Total | ND | 0.1 | 0.017 | mg/L | 1 | UT | 4500ClG | 212128 | 10/09/17 12:00 | 4500ClG | 215175-UV205 | 10/09/17-12:53AMM |
| Chromium VI | 0.231 | 0.1 | 0.012 | ug/L | 1 | | 218.6 | 211232 | 09/18/17 14:30 | 218.6 | 214067-IC209 | 09/18/17-19:19JDD |

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Color | 40.0 | 5 | 0.0 | units | 1 | | 2120B | 211115 | 09/14/17 07:15 | 2120B | 213913-JMG | 09/14/17-07:40jmg |
| Cyanide, Total | ND | 0.01 | 0.0010 | mg/L | 1 | U | 4500CNCE | 211253 | 09/20/17 11:26 | 4500CNCE | 214193-UV205 | 09/21/17-10:52AMM |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:42AMB |
| Ammonia Nitrogen | 5.65 | 0.2 | 0.072 | mg/L | 1 | | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:42AMB |
| Kjeldahl Nitrogen | 2.76 | 0.5 | 0.32 | mg/L | 1 | | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:28AMB |
| Nitrogen, Total as Nitrogen | 2.76 | 0.5 | 0.32 | mg/L | 1 | | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:28AMB |
| Nitrate + Nitrite as N | ND | 0.1 | 0.0032 | mg/L | 1 | U | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-00:48MCA |
| Kjeldahl Nitrogen | 2.76 | 0.5 | 0.32 | mg/L | 1 | | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:28AMB |
| Odor | ND | 1 | 0.0 | TON | 1 | U | 2150B | 211116 | 09/14/17 06:35 | 2150B | 213914-JMG | 09/14/17-07:20jmg |
| Oil and Grease | ND | 3.3 | 1.5 | mg/L | 1.087 | UL | 1664A | 211254 | 09/19/17 11:32 | 1664A | 214156-WT215 | 09/20/17-11:29AMM |
| Phosphorus, Total | 1.37 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211523 | 09/25/17 15:30 | 4500PE | 214428-UV205 | 09/25/17-17:04SJN |
| Solids, Total Suspended (TSS) | 4.90 | 1 | 0.49 | mg/L | 1.0417 | | 2540D | 211211 | 09/15/17 17:00 | 2540D | 214106-WT215 | 09/19/17-15:15jba |
| Turbidity | 9.42 | 0.2 | 0.048 | NTU | 1 | | 2130B | 211109 | 09/14/17 21:22 | 2130B | 213906-TR203 | 09/14/17-21:28jba |
| Perchlorate | ND | 2 | 0.29 | ug/L | 1 | U | 314.0 | 211692 | 09/22/17 14:15 | 314.0 | 214659-IC207 | 09/23/17-01:37MCA |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| I | Reported value is estimated due to RPD exceedance. |
| T | Exceeded method-specific holding time. |

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-12
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-004
Customer ID : 2-25173

Sampled On : September 13, 2017-11:40
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 130 | 70-130 | | % | 0.98209 | | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-01:31SBL |
| DBCP | ND | 0.0098 | 0.0057 | ug/L | 0.98209 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-01:31SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 0.98209 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-01:31SBL |
| **EPA 505** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 126 | 70-130 | | % | 1 | | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Alachlor | ND | 0.2 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Aldrin | ND | 0.01 | 0.0040 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Chlordane | ND | 0.1 | 0.041 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Dieldrin | ND | 0.0099 | 0.0024 | ug/L | 0.98694 | Ub | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Endrin | ND | 0.01 | 0.0054 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Heptachlor | ND | 0.01 | 0.0026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Heptachlor Epoxide | ND | 0.01 | 0.0046 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Hexachlorobenzene | ND | 0.01 | 0.0031 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Hexachlorocyclopentadiene | ND | 0.1 | 0.027 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Lindane (Gamma BHC) | ND | 0.05 | 0.0049 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Methoxychlor | ND | 0.1 | 0.0098 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| Toxaphene | ND | 0.5 | 0.11 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| PCB 1016 | ND | 0.5 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| PCB 1221 | ND | 0.5 | 0.067 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| PCB 1232 | ND | 0.5 | 0.073 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 505** | | | | | | | | | | | | |
| PCB 1242 | ND | 0.5 | 0.14 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| PCB 1248 | ND | 0.5 | 0.15 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| PCB 1254 | ND | 0.5 | 0.026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| PCB 1260 | ND | 0.5 | 0.12 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:14SBL |
| **EPA 507** | | | | | | | | | | | | |
| Triphenylphosphate‡ | 71.9 | 70-130 | | % | 0.93897 | | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Alachlor | ND | 0.94 | 0.16 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Atrazine | ND | 0.94 | 0.14 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Bromacil | ND | 1.9 | 0.12 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Butachlor | ND | 0.94 | 0.21 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Diazinon | ND | 1.9 | 0.18 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Dimethoate | ND | 1.9 | 0.089 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Metolachlor | ND | 0.94 | 0.41 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Metribuzin | ND | 0.47 | 0.24 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Molinate | ND | 1.9 | 0.13 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Prometryne | ND | 1.9 | 0.095 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Propachlor | ND | 0.94 | 0.12 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Simazine | ND | 0.94 | 0.16 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Thiobencarb | ND | 0.94 | 0.15 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| Cyanazine | ND | 0.94 | 0.11 | ug/L | 0.93897 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-01:22SG |
| **EPA 515** | | | | | | | | | | | | |
| 2,4-DCAA‡ | 97.4 | 70-130 | | % | 1 | | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| Bentazon | ND | 2 | 0.45 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| 2,4-D | ND | 2 | 0.90 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| Dalapon | ND | 10 | 3.5 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| Dicamba | ND | 1 | 0.29 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| Dinoseb | ND | 1 | 0.49 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| Pentachlorophenol | ND | 0.2 | 0.10 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| Picloram | ND | 1 | 0.18 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| 2,4,5-TP (Silvex) | ND | 1 | 0.32 | ug/L | 1 | Ul | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 515** | | | | | | | | | | | | |
| 2,4,5-T | ND | 1 | 0.42 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-19:56SG |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 85.1 | 70-130 | | % | 1 | | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,2-Dichlorobenzene-d4‡ | 88.4 | 70-130 | | % | 1 | | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Chlorobenzene | 0.346 | 0.5 | 0.050 | ug/L | 1 | J | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Chloroform | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,2-Dichlorobenzene | 0.173 | 0.5 | 0.047 | ug/L | 1 | J | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,3-Dichlorobenzene | 0.330 | 0.5 | 0.044 | ug/L | 1 | J | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,4-Dichlorobenzene | 0.297 | 0.5 | 0.021 | ug/L | 1 | J | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.091 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Trichloroethylene | 0.541 | 0.5 | 0.060 | ug/L | 1 | | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | Uh | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| Total Trihalomethanes | ND | --- | --- | ug/L | 1 | U | 524.2 | 211272 | 09/18/17 08:00 | 524.2 | 214179-GM215 | 09/18/17-11:40VRG |
| **EPA 531.1** | | | | | | | | | | | | |
| Aldicarb | ND | 3 | 0.15 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:09SG |
| Aldicarb Sulfone | ND | 2 | 0.31 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:09SG |
| Aldicarb Sulfoxide | ND | 3 | 0.68 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:09SG |
| Carbaryl | ND | 5 | 0.36 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:09SG |
| Carbofuran | ND | 5 | 1.1 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:09SG |
| 3-Hydroxycarbofuran | ND | 10 | 1.8 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:09SG |
| Methomyl | ND | 5 | 0.56 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:09SG |
| Oxamyl | ND | 5 | 1.4 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:09SG |
| **EPA 548.1** | | | | | | | | | | | | |
| Endothall | ND | 40 | 16 | ug/L | 1 | U | 548.1 | 211274 | 09/19/17 15:28 | 548.1 | 214244-GC220 | 09/22/17-00:42SG |
| **EPA 549** | | | | | | | | | | | | |
| Diquat | ND | 2 | 0.12 | ug/L | 1 | U | 549 | 211268 | 09/19/17 14:11 | 549.2 | 214477-LC204 | 09/26/17-13:44SG |
| **EPA 552.2** | | | | | | | | | | | | |
| 2,3-Dibromopropionic Acid‡ | 98.1 | 70-130 | | % | 1 | | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:40SBL |
| Bromoacetic Acid | ND | 1 | 0.55 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:40SBL |
| Chloroacetic Acid | ND | 2 | 0.28 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:40SBL |
| Dibromoacetic Acid | 0.544 | 1 | 0.25 | ug/L | 1 | J | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:40SBL |
| Dichloroacetic Acid | ND | 1 | 0.57 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:40SBL |
| Trichloroacetic Acid | ND | 1 | 0.39 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:40SBL |
| Haloacetic acids (five) | ND | --- | --- | ug/L | 1 | UJ | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-01:40SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 608** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 40.7 | 15-143 | | % | 0.93458 | | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| Chlordane | ND | 1.9 | 0.025 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| PCB 1016 | ND | 0.47 | 0.13 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| PCB 1221 | ND | 0.47 | 0.19 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| PCB 1232 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| PCB 1242 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| PCB 1248 | ND | 0.47 | 0.056 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| PCB 1254 | ND | 0.47 | 0.086 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| PCB 1260 | ND | 0.47 | 0.11 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| Toxaphene | ND | 1.9 | 0.044 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-04:18SBL |
| **EPA 624** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 105 | 70-161 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Fluorobenzene‡ | 99.0 | 72-139 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Pentafluorobenzene‡ | 109 | 59-151 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Acetone | ND | 50 | 7.2 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Acrylonitrile | ND | 2 | 0.85 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Benzene | ND | 0.5 | 0.13 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Bromodichloromethane | ND | 0.5 | 0.089 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Bromoform | ND | 1 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Bromomethane | ND | 0.5 | 0.25 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Chloromethane | ND | 0.5 | 0.36 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 2-Butanone (MEK) | ND | 10 | 0.83 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Carbon Disulfide | ND | 5 | 0.26 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Chlorobenzene | 0.351 | 0.5 | 0.036 | ug/L | 1 | Jf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Chloroethane | ND | 0.5 | 0.37 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 2-Chloroethylvinyl ether | ND | 10 | 0.14 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Chloroform | ND | 0.5 | 0.045 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Dibromochloromethane | ND | 0.5 | 0.078 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 624** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | 0.150 | 0.5 | 0.026 | ug/L | 1 | Jf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,3-Dichlorobenzene | 0.378 | 0.5 | 0.11 | ug/L | 1 | Jf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,4-Dichlorobenzene | 0.402 | 0.5 | 0.063 | ug/L | 1 | Jf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.044 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.49 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| trans-1,2-Dichloroethylene | ND | 1 | 0.12 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.094 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.10 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| trans-1,3-Dichloropropene | ND | 1 | 0.035 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Ethyl Benzene | ND | 0.5 | 0.046 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 2-Hexanone | ND | 5 | 0.46 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | 0.29 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Methylene Chloride | ND | 0.5 | 0.24 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.081 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Styrene | ND | 0.5 | 0.059 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.076 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Tetrachloroethylene | ND | 0.5 | 0.056 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Toluene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.053 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Trichloroethylene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Trichlorofluoromethane | ND | 1.5 | 0.15 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Vinyl Acetate | ND | 100 | 0.15 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Vinyl Chloride | ND | 0.5 | 0.17 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Xylenes m,p | ND | 0.5 | 0.084 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Xylenes o | ND | 0.5 | 0.062 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |
| Xylenes | ND | --- | --- | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-16:59VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 2-Fluorobiphenyl‡ | 50.6 | 29-98 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2-Fluorophenol‡ | 51.8 | 23-105 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Nitrobenzene-d5‡ | 53.3 | 23-104 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Phenol-d6‡ | 53.3 | 26-102 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| p-Terphenyl-d14‡ | 54.2 | 29-93 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2,4,6-Tribromophenol‡ | 55.5 | 34-116 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Acenaphthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Acenaphthylene | ND | 0.93 | 0.39 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Benzidine | ND | 9.3 | 1.8 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Benzo(a)anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Benzo(a)pyrene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Benzo(b)fluoranthene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Benzo(g,h,i)perylene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Benzo(k)fluoranthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| bis(2-Chloroethoxy)methane | ND | 0.93 | 0.56 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| bis(2-Chloroethyl)ether | ND | 0.93 | 0.52 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| bis(2-Chloroisopropyl)ether | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| bis(2-Ethylhexyl)phthalate | 0.421 | 1.9 | 0.41 | ug/L | 0.93458 | J | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 4-Bromophenylphenylether | ND | 0.93 | 0.46 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Butylbenzylphthalate | ND | 1.9 | 0.29 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 4-Chloro-3-methylphenol | ND | 1.9 | 0.86 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2-Chloronaphthalene | ND | 0.93 | 0.63 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2-Chlorophenol | ND | 1.9 | 1.0 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 4-Chlorophenylphenylether | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Chrysene | ND | 0.93 | 0.51 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Dibenzo(a,h)anthracene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 1,2-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 1,3-Dichlorobenzene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 1,4-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2,4-Dichlorophenol | ND | 1.9 | 0.79 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Diethylphthalate | ND | 0.93 | 0.34 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2,4-Dimethylphenol | ND | 1.9 | 0.76 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Dimethylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Di-n-butylphthalate | ND | 1.9 | 0.35 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 4,6-Dinitro-2-methylphenol | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2,4-Dinitrophenol | ND | 4.7 | 0.22 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2,4-Dinitrotoluene | ND | 0.93 | 0.49 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2,6-Dinitrotoluene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Di-n-octylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 1,2-Diphenylhydrazine | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Fluoranthene | ND | 0.93 | 0.44 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Fluorene | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Hexachlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Hexachlorobutadiene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Hexachlorocyclopentadiene | ND | 0.93 | 0.24 | ug/L | 0.93458 | UH | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Hexachloroethane | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Indeno(1,2,3-c,d)pyrene | ND | 0.93 | 0.38 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Isophorone | ND | 0.93 | 0.41 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Naphthalene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Nitrobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 4-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| N-Nitrosodimethylamine | ND | 1.9 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| N-Nitrosodi-n-propylamine | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| N-Nitrosodiphenylamine | ND | 0.93 | 0.74 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Pentachlorophenol | ND | 1.9 | 0.91 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Phenanthrene | ND | 0.93 | 0.018 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Phenol | ND | 0.93 | 0.88 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| Pyrene | ND | 0.93 | 0.46 | ug/L | 0.93458 | UH | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| Pyridine | ND | 9.3 | 0.32 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 1,2,4-Trichlorobenzene | ND | 0.93 | 0.48 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2,4,6-Trichlorophenol | ND | 0.93 | 0.90 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| 2,4,5-Trichlorophenol | ND | 1.9 | 1.2 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-18:55SBL |
| **EPA 625 Pest** | | | | | | | | | | | | |
| Aldrin | ND | 4.7 | 0.91 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Alpha BHC | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Beta BHC | ND | 4.7 | 1.5 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Delta BHC | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Lindane (Gamma BHC) | ND | 4.7 | 3.7 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| alpha-Chlordane | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| gamma-Chlordane | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| o,p - DDD | ND | 4.7 | 0.54 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| o,p - DDE | ND | 4.7 | 0.35 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| o,p - DDT | ND | 4.7 | 0.95 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| p,p'-DDD | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| p,p'-DDE | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| p,p'-DDT | ND | 4.7 | 4.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Dieldrin | ND | 4.7 | 1.5 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Endosulfan I | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Endosulfan II | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Endosulfan Sulfate | ND | 4.7 | 1.2 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Endrin | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Endrin Aldehyde | ND | 4.7 | 1.9 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Endrin Ketone | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Heptachlor | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Heptachlor Epoxide | ND | 4.7 | 0.77 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Methoxychlor | ND | 4.7 | 0.46 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| cis_Nonachlor | ND | 47 | 1.6 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 625 Pest** | | | | | | | | | | | | |
| trans-Nonachlor | ND | 47 | 1.2 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| Tetrachloro-m-xylene‡ | 73.8 | 26-90 | | % | 0.93458 | | 625P | 211227 | 09/19/17 13:30 | 625P | 214486-GM210 | 09/22/17-20:13SG |
| **TOC** | | | | | | | | | | | | |
| TOC | 1.83 | 0.5 | 0.15 | mg/L | 1 | | 5310C | 211306 | 09/20/17 10:39 | 5310C | 214222-TC203 | 09/20/17-15:31AMM |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| H | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| f | MS/MSD QC requirement met by BS/BSD due to limited sample volume. |

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-12
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-004
Customer ID : 2-25173

Sampled On : September 13, 2017-11:40
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Radio

| Constituent | Result ± Error | MDA | Units | MCL/AL | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Radio Chemistry** | | | | | | | | | | | |
| Gross Alpha | 2.24 ± 1.39 | 1.15 | pCi/L | 15 | | SM7110C | 211691 | 09/28/17 17:40 | SM7110C | 214935-GP210 | 10/05/17-11:00aat |
| Gross Beta | 20.7 ± 2.79 | 3.36 | pCi/L | 50 | | 900.0 | 211945 | 10/04/17 16:00 | 900.0 | 215207-GP220 | 10/07/17-03:30aat |
| Total Alpha Radium (226) | 0.000 ± 0.094 | 0.363 | pCi/L | 3 | | 903.0 | 211451 | 09/24/17 11:00 | 903.0 | 214650-GP215 | 09/27/17-12:35aat |
| Tritium | 195 ± 264 | 434 | pCi/L | 20000 | | 906.0 | 211140 | 09/16/17 05:47 | 906.0 | 213990-LS202 | 09/17/17-03:03elc |
| Uranium | 0.624 ± 1.01 | 0.470 | pCi/L | 20 | | 908.0 | 211488 | 09/25/17 11:02 | 908.0 | 214757-GP216 | 09/29/17-16:25aat |
| Ra 228 | 0.158 ± 0.654 | 0.400 | pCi/L | 2 | | Ra - 05 | 211578 | 10/01/17 14:00 | Ra - 05 | 214669-GP219 | 10/05/17-19:30emv |

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW09
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-007
Customer ID : 2-25173

Sampled On : September 13, 2017-13:20
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Total Hardness as CaCO3 | 759 | 2.5 | 0.0065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Calcium | 113 | 1 | 0.0065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Magnesium | 116 | 1 | 0.0037 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Potassium | 22.2 | 1 | 0.065 | mg/L | 1 | h | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Sodium | 895 | 5 | 0.27 | mg/L | 5 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213973-IT203 | 09/17/17-17:01AC |
| Total Cations | 54.7 | 0.1 | 0.0065 | meq/L | 1 | h | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Boron | 0.853 | 0.05 | 0.0050 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213973-IT203 | 09/17/17-12:12AC |
| Copper | ND | 10 | 1.2 | ug/L | 1 | U | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Iron | 648 | 50 | 5.0 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Manganese | 172 | 10 | 0.099 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Zinc | 7.83 | 20 | 1.0 | ug/L | 1 | J | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| SAR | 14.1 | 0.1 | 0.0065 | -- | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:55AC |
| Total Alkalinity (as CaCO3) | 306 | 10 | 1.1 | mg/L | 1 | I | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:16AMB |
| Hydroxide as OH | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:16AMB |
| Carbonate as CO3 | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:16AMB |
| Bicarbonate as HCO3 | 374 | 10 | 1.1 | mg/L | 1.000 | I | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:16AMB |
| Sulfate | 655 | 20 | 0.015 | mg/L | 20 | b | 300.0 | 211151 | 09/16/17 13:40 | 300.0 | 214207-IC210 | 09/16/17-20:35MCA |
| Chloride | 1090 | 20 | 0.0045 | mg/L | 20 | | 300.0 | 211151 | 09/16/17 13:40 | 300.0 | 214207-IC210 | 09/16/17-20:35MCA |
| Nitrate as NO3 | 0.200 | 0.4 | 0.032 | mg/L | 1 | J | 4500NO3F | 211064 | 09/14/17 14:00 | 4500NO3F | 213926-FI207 | 09/14/17-16:11JDD |
| Nitrite as N | 0.0253 | 0.1 | 0.0044 | mg/L | 1 | J | 4500NO2B | 211078 | 09/14/17 18:45 | 4500NO2B | 213881-UV205 | 09/14/17-19:49SJN |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Nitrate + Nitrite as N | 0.0340 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 211064 | 09/14/17 14:00 | 4500NO3F | 213926-FI207 | 09/14/17-16:11JDD |
| Fluoride | 0.449 | 0.1 | 0.0021 | mg/L | 1 | | 300.0 | 211151 | 09/16/17 13:40 | 300.0 | 214207-IC210 | 09/16/17-20:14MCA |
| Total Anions | 50.5 | 0.1 | 0.010 | meq/L | 1.000 | IbJ | 2320B | 211025 | 09/14/17 03:00 | 2320B | 213886-MT201 | 09/14/17-14:16AMB |
| pH | 7.44 | -- | 0.010 | units | 1 | | 4500-H B | 211258 | 09/13/17 13:20 | 4500HB | 214086-CL000 | 09/13/17-13:20MP/RS |
| Specific Conductance | 5070 | 1 | 0.16 | umhos/cm | 1 | b | 2510B | 211033 | 09/14/17 09:05 | 2510B | 213819-EC205 | 09/14/17-13:12JMG |
| Total Dissolved Solids | 3080 | 68 | 5.8 | mg/L | 1.7 | b | 2540CE | 211113 | 09/15/17 13:38 | 2540C | 213966-WT219 | 09/18/17-05:51AMB |
| MBAS (foaming agents) | ND | 0.1 | 0.017 | mg/L | 1 | U | 5540C | 211210 | 09/15/17 08:40 | 5540C | 214025-UV208 | 09/15/17-18:45jba |
| Aggressiveness Index | 12.4 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/13/17 13:20 | 4500HB | 214086-CL000 | 09/13/17-13:20MP/RS |
| Langelier Index (20°C) | 0.4 | 1 | 0.010 | -- | 1 | bI | 4500-H B | 211258 | 09/13/17 13:20 | 4500HB | 214086-CL000 | 09/13/17-13:20MP/RS |
| Nitrate Nitrogen | ND | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 211064 | 09/14/17 14:00 | 4500NO3F | 213926-FI207 | 09/14/17-16:11JDD |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | 0.151 | 0.01 | 0.000050 | mg/L | 1 | l | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Antimony | 0.000304 | 0.001 | 0.000044 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Arsenic | 0.00336 | 0.002 | 0.000047 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:51AC |
| Barium | 0.0278 | 0.0002 | 0.000026 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Beryllium | ND | 0.0002 | 0.000043 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Cadmium | ND | 0.0002 | 0.000031 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Chromium | 0.00339 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Copper | 0.00577 | 0.001 | 0.000071 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Lead | 0.000106 | 0.0002 | 0.000013 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Mercury | 0.00000474 | 0.00001 | .0000021 | mg/L | 1 | J | 245.1 | 211748 | 09/29/17 07:00 | 245.1 | 214696-HG204 | 09/29/17-13:27AC |
| Nickel | 0.00441 | 0.001 | 0.000040 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:51AC |
| Selenium | 0.00499 | 0.002 | 0.00017 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-17:51AC |
| Silver | 0.0000240 | 0.00025 | 0.000022 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Thallium | ND | 0.0002 | 0.000018 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| Chromium III | 0.00317 | 0.001 | 0.000066 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:46AC |
| **Wet Chemistry** | | | | | | | | | | | | |
| BOD | 0.2 | 2 | 0.19 | mg/L | 1 | JI | 5210B | 211056 | 09/14/17 17:29 | 5210B | 214116-O2205 | 09/19/17-12:17kmm |
| Chlorine, Total | ND | 0.1 | 0.017 | mg/L | 1 | UT | 4500ClG | 212128 | 10/09/17 12:00 | 4500ClG | 215175-UV205 | 10/09/17-12:56AMM |
| Chromium VI | 0.217 | 0.1 | 0.012 | ug/L | 1 | | 218.6 | 211232 | 09/18/17 14:30 | 218.6 | 214067-IC209 | 09/18/17-19:30JDD |

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Color | 15.0 | 5 | 0.0 | units | 1 | | 2120B | 211115 | 09/14/17 07:15 | 2120B | 213913-JMG | 09/14/17-07:40jmg |
| Cyanide, Total | ND | 0.01 | 0.0010 | mg/L | 1 | U | 4500CNCE | 211253 | 09/20/17 11:26 | 4500CNCE | 214193-UV205 | 09/21/17-10:53AMM |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:14AMB |
| Ammonia Nitrogen | 2.80 | 0.2 | 0.072 | mg/L | 1 | | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:14AMB |
| Kjeldahl Nitrogen | 1.45 | 0.5 | 0.32 | mg/L | 1 | | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:29AMB |
| Nitrogen, Total as Nitrogen | 1.48 | 0.5 | 0.32 | mg/L | 1 | J | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:29AMB |
| Nitrate + Nitrite as N | 0.0340 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 211064 | 09/14/17 14:00 | 4500NO3F | 213926-FI207 | 09/14/17-16:11JDD |
| Kjeldahl Nitrogen | 1.45 | 0.5 | 0.32 | mg/L | 1 | | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:29AMB |
| Odor | ND | 1 | 0.0 | TON | 1 | U | 2150B | 211116 | 09/14/17 06:35 | 2150B | 213914-JMG | 09/14/17-07:20jmg |
| Oil and Grease | ND | 3.3 | 1.5 | mg/L | 1.0989 | U | 1664A | 211359 | 09/21/17 10:10 | 1664A | 214298-WT215 | 09/22/17-11:35CTL |
| Phosphorus, Total | 0.314 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211523 | 09/25/17 15:30 | 4500PE | 214428-UV205 | 09/25/17-17:05SJN |
| Solids, Total Suspended (TSS) | 8.23 | 1.1 | 0.49 | mg/L | 1.0753 | | 2540D | 211211 | 09/15/17 17:00 | 2540D | 214106-WT215 | 09/19/17-15:15jba |
| Turbidity | 1.81 | 0.2 | 0.048 | NTU | 1 | | 2130B | 211109 | 09/14/17 21:22 | 2130B | 213906-TR203 | 09/14/17-21:28jba |
| Perchlorate | ND | 2 | 0.29 | ug/L | 1 | Ub | 314.0 | 211692 | 09/22/17 17:30 | 314.0 | 214659-IC207 | 09/23/17-06:46MCA |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| I | Reported value is estimated due to RPD exceedance. |
| T | Exceeded method-specific holding time. |

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW09
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-007
Customer ID : 2-25173

Sampled On : September 13, 2017-13:20
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 109 | 70-130 | | % | 1.0027 | | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-01:56SBL |
| DBCP | ND | 0.01 | 0.0057 | ug/L | 1.0027 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-01:56SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 1.0027 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-01:56SBL |
| **EPA 505** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 87.0 | 70-130 | | % | 1 | | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Alachlor | ND | 0.2 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Aldrin | ND | 0.01 | 0.0040 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Chlordane | ND | 0.1 | 0.041 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Dieldrin | ND | 0.01 | 0.0024 | ug/L | 0.99648 | Ub | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Endrin | ND | 0.01 | 0.0054 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Heptachlor | ND | 0.01 | 0.0026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Heptachlor Epoxide | ND | 0.01 | 0.0046 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Hexachlorobenzene | ND | 0.01 | 0.0031 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Hexachlorocyclopentadiene | ND | 0.1 | 0.027 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Lindane (Gamma BHC) | ND | 0.05 | 0.0049 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Methoxychlor | ND | 0.1 | 0.0098 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| Toxaphene | ND | 0.5 | 0.11 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| PCB 1016 | ND | 0.5 | 0.13 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| PCB 1221 | ND | 0.5 | 0.067 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| PCB 1232 | ND | 0.5 | 0.073 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 505** | | | | | | | | | | | | |
| PCB 1242 | ND | 0.5 | 0.14 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| PCB 1248 | ND | 0.5 | 0.15 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| PCB 1254 | ND | 0.5 | 0.026 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| PCB 1260 | ND | 0.5 | 0.12 | ug/L | 1 | U | 505 | 211014 | 09/13/17 20:00 | 505 | 213798-GC215 | 09/14/17-11:52SBL |
| **EPA 507** | | | | | | | | | | | | |
| Triphenylphosphate‡ | 73.0 | 70-130 | | % | 0.93458 | | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Alachlor | ND | 0.93 | 0.16 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Atrazine | ND | 0.93 | 0.14 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Bromacil | ND | 1.9 | 0.12 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Butachlor | ND | 0.93 | 0.21 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Diazinon | ND | 1.9 | 0.18 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Dimethoate | ND | 1.9 | 0.089 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Metolachlor | ND | 0.93 | 0.41 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Metribuzin | ND | 0.47 | 0.24 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Molinate | ND | 1.9 | 0.13 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Prometryne | ND | 1.9 | 0.095 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Propachlor | ND | 0.93 | 0.12 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Simazine | ND | 0.93 | 0.16 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Thiobencarb | ND | 0.93 | 0.15 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| Cyanazine | ND | 0.93 | 0.11 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:00SG |
| **EPA 515** | | | | | | | | | | | | |
| 2,4-DCAA‡ | 92.4 | 70-130 | | % | 1 | | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| Bentazon | ND | 2 | 0.45 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| 2,4-D | ND | 2 | 0.90 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| Dalapon | ND | 10 | 3.5 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| Dicamba | ND | 1 | 0.29 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| Dinoseb | ND | 1 | 0.49 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| Pentachlorophenol | ND | 0.2 | 0.10 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| Picloram | ND | 1 | 0.18 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| 2,4,5-TP (Silvex) | ND | 1 | 0.32 | ug/L | 1 | Ul | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 515** | | | | | | | | | | | | |
| 2,4,5-T | ND | 1 | 0.42 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-20:35SG |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 84.4 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,2-Dichlorobenzene-d4‡ | 84.9 | 70-130 | | % | 1 | | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Chloroform | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.091 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Trichloroethylene | ND | 0.5 | 0.060 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | Uh | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| Total Trihalomethanes | ND | --- | --- | ug/L | 1 | U | 524.2 | 211189 | 09/14/17 08:00 | 524.2 | 213994-GM215 | 09/14/17-22:38VRG |
| **EPA 531.1** | | | | | | | | | | | | |
| Aldicarb | ND | 3 | 0.15 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:32SG |
| Aldicarb Sulfone | ND | 2 | 0.31 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:32SG |
| Aldicarb Sulfoxide | ND | 3 | 0.68 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:32SG |
| Carbaryl | ND | 5 | 0.36 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:32SG |
| Carbofuran | ND | 5 | 1.1 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:32SG |
| 3-Hydroxycarbofuran | ND | 10 | 1.8 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:32SG |
| Methomyl | ND | 5 | 0.56 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:32SG |
| Oxamyl | ND | 5 | 1.4 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:32SG |
| **EPA 548.1** | | | | | | | | | | | | |
| Endothall | ND | 40 | 16 | ug/L | 1 | U | 548.1 | 211274 | 09/19/17 15:28 | 548.1 | 214244-GC220 | 09/22/17-01:10SG |
| **EPA 549** | | | | | | | | | | | | |
| Diquat | ND | 2 | 0.12 | ug/L | 1 | U | 549 | 211268 | 09/19/17 14:11 | 549.2 | 214477-LC204 | 09/26/17-13:52SG |
| **EPA 552.2** | | | | | | | | | | | | |
| 2,3-Dibromopropionic Acid‡ | 104 | 70-130 | | % | 1 | | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-02:12SBL |
| Bromoacetic Acid | ND | 1 | 0.55 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-02:12SBL |
| Chloroacetic Acid | ND | 2 | 0.28 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-02:12SBL |
| Dibromoacetic Acid | 0.545 | 1 | 0.25 | ug/L | 1 | J | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-02:12SBL |
| Dichloroacetic Acid | ND | 1 | 0.57 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-02:12SBL |
| Trichloroacetic Acid | ND | 1 | 0.39 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-02:12SBL |
| Haloacetic acids (five) | ND | --- | --- | ug/L | 1 | UJ | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-02:12SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 608** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 21.2 | 15-143 | | % | 0.93458 | | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| Chlordane | ND | 1.9 | 0.025 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| PCB 1016 | ND | 0.47 | 0.13 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| PCB 1221 | ND | 0.47 | 0.19 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| PCB 1232 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| PCB 1242 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| PCB 1248 | ND | 0.47 | 0.056 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| PCB 1254 | ND | 0.47 | 0.086 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| PCB 1260 | ND | 0.47 | 0.11 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| Toxaphene | ND | 1.9 | 0.044 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-05:35SBL |
| **EPA 624** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 103 | 70-161 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Fluorobenzene‡ | 99.6 | 72-139 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Pentafluorobenzene‡ | 110 | 59-151 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Acetone | ND | 50 | 7.2 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Acrylonitrile | ND | 2 | 0.85 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Benzene | ND | 0.5 | 0.13 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Bromodichloromethane | ND | 0.5 | 0.089 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Bromoform | ND | 1 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Bromomethane | ND | 0.5 | 0.25 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Chloromethane | ND | 0.5 | 0.36 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 2-Butanone (MEK) | ND | 10 | 0.83 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Carbon Disulfide | ND | 5 | 0.26 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Chlorobenzene | ND | 0.5 | 0.036 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Chloroethane | ND | 0.5 | 0.37 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 2-Chloroethylvinyl ether | ND | 10 | 0.14 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Chloroform | ND | 0.5 | 0.045 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Dibromochloromethane | ND | 0.5 | 0.078 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 624** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.026 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.11 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.063 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.044 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.49 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| trans-1,2-Dichloroethylene | ND | 1 | 0.12 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.094 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.10 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| trans-1,3-Dichloropropene | ND | 1 | 0.035 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Ethyl Benzene | ND | 0.5 | 0.046 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 2-Hexanone | ND | 5 | 0.46 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | 0.29 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Methylene Chloride | ND | 0.5 | 0.24 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.081 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Styrene | ND | 0.5 | 0.059 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.076 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Tetrachloroethylene | ND | 0.5 | 0.056 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Toluene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.053 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Trichloroethylene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Trichlorofluoromethane | ND | 1.5 | 0.15 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Vinyl Acetate | ND | 100 | 0.15 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Vinyl Chloride | ND | 0.5 | 0.17 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Xylenes m,p | ND | 0.5 | 0.084 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Xylenes o | ND | 0.5 | 0.062 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |
| Xylenes | ND | --- | --- | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:27VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 2-Fluorobiphenyl‡ | 45.9 | 29-98 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2-Fluorophenol‡ | 48.2 | 23-105 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Nitrobenzene-d5‡ | 50.1 | 23-104 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Phenol-d6‡ | 49.1 | 26-102 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| p-Terphenyl-d14‡ | 55.2 | 29-93 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2,4,6-Tribromophenol‡ | 56.8 | 34-116 | | % | 0.93458 | | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Acenaphthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Acenaphthylene | ND | 0.93 | 0.39 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Benzidine | ND | 9.3 | 1.8 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Benzo(a)anthracene | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Benzo(a)pyrene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Benzo(b)fluoranthene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Benzo(g,h,i)perylene | ND | 0.93 | 0.40 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Benzo(k)fluoranthene | ND | 0.93 | 0.50 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| bis(2-Chloroethoxy)methane | ND | 0.93 | 0.56 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| bis(2-Chloroethyl)ether | ND | 0.93 | 0.52 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| bis(2-Chloroisopropyl)ether | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| bis(2-Ethylhexyl)phthalate | ND | 1.9 | 0.41 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 4-Bromophenylphenylether | ND | 0.93 | 0.46 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Butylbenzylphthalate | ND | 1.9 | 0.29 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 4-Chloro-3-methylphenol | ND | 1.9 | 0.86 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2-Chloronaphthalene | ND | 0.93 | 0.63 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2-Chlorophenol | ND | 1.9 | 1.0 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 4-Chlorophenylphenylether | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Chrysene | ND | 0.93 | 0.51 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Dibenzo(a,h)anthracene | ND | 0.93 | 0.37 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 1,2-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 1,3-Dichlorobenzene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 1,4-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2,4-Dichlorophenol | ND | 1.9 | 0.79 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Diethylphthalate | ND | 0.93 | 0.34 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2,4-Dimethylphenol | ND | 1.9 | 0.76 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Dimethylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Di-n-butylphthalate | ND | 1.9 | 0.35 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 4,6-Dinitro-2-methylphenol | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2,4-Dinitrophenol | ND | 4.7 | 0.22 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2,4-Dinitrotoluene | ND | 0.93 | 0.49 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2,6-Dinitrotoluene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Di-n-octylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 1,2-Diphenylhydrazine | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Fluoranthene | ND | 0.93 | 0.44 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Fluorene | ND | 0.93 | 0.62 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Hexachlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Hexachlorobutadiene | ND | 0.93 | 0.45 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Hexachlorocyclopentadiene | ND | 0.93 | 0.24 | ug/L | 0.93458 | UH | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Hexachloroethane | ND | 0.93 | 0.43 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Indeno(1,2,3-c,d)pyrene | ND | 0.93 | 0.38 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Isophorone | ND | 0.93 | 0.41 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Naphthalene | ND | 0.93 | 0.55 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Nitrobenzene | ND | 0.93 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 4-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| N-Nitrosodimethylamine | ND | 1.9 | 0.47 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| N-Nitrosodi-n-propylamine | ND | 0.93 | 0.53 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| N-Nitrosodiphenylamine | ND | 0.93 | 0.74 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Pentachlorophenol | ND | 1.9 | 0.91 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Phenanthrene | ND | 0.93 | 0.018 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Phenol | ND | 0.93 | 0.88 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| Pyrene | ND | 0.93 | 0.46 | ug/L | 0.93458 | UH | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| Pyridine | ND | 9.3 | 0.32 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 1,2,4-Trichlorobenzene | ND | 0.93 | 0.48 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2,4,6-Trichlorophenol | ND | 0.93 | 0.90 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| 2,4,5-Trichlorophenol | ND | 1.9 | 1.2 | ug/L | 0.93458 | U | 625 | 211226 | 09/19/17 13:30 | 625 | 214390-GM213 | 09/22/17-19:48SBL |
| **EPA 625 Pest** | | | | | | | | | | | | |
| Aldrin | ND | 4.7 | 0.91 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Alpha BHC | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Beta BHC | ND | 4.7 | 1.5 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Delta BHC | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Lindane (Gamma BHC) | ND | 4.7 | 3.7 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| alpha-Chlordane | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| gamma-Chlordane | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| o,p - DDD | ND | 4.7 | 0.54 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| o,p - DDE | ND | 4.7 | 0.35 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| o,p - DDT | ND | 4.7 | 0.95 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| p,p'-DDD | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| p,p'-DDE | ND | 4.7 | 1.3 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| p,p'-DDT | ND | 4.7 | 4.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Dieldrin | ND | 4.7 | 1.5 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Endosulfan I | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Endosulfan II | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Endosulfan Sulfate | ND | 4.7 | 1.2 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Endrin | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Endrin Aldehyde | ND | 4.7 | 1.9 | ng/L | 0.93458 | U | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Endrin Ketone | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Heptachlor | ND | 4.7 | 1.8 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Heptachlor Epoxide | ND | 4.7 | 0.77 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Methoxychlor | ND | 4.7 | 0.46 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| cis_Nonachlor | ND | 47 | 1.6 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 625 Pest** | | | | | | | | | | | | |
| trans-Nonachlor | ND | 47 | 1.2 | ng/L | 0.93458 | UH | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| Tetrachloro-m-xylene‡ | 70.1 | 26-90 | | % | 0.93458 | | 625P | 211227 | 09/19/17 13:30 | 625P | 214485-GM210 | 09/21/17-05:00SG |
| **TOC** | | | | | | | | | | | | |
| TOC | 0.343 | 0.5 | 0.15 | mg/L | 1 | | 5310C | 211306 | 09/20/17 10:39 | 5310C | 214222-TC203 | 09/20/17-15:49AMM |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| H | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| f | MS/MSD QC requirement met by BS/BSD due to limited sample volume. |

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW09
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-007
Customer ID : 2-25173

Sampled On : September 13, 2017-13:20
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Radio

| Constituent | Result ± Error | MDA | Units | MCL/AL | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Radio Chemistry** | | | | | | | | | | | |
| Gross Alpha | 3.79 ± 1.60 | 1.11 | pCi/L | 15 | | SM7110C | 211691 | 09/28/17 17:40 | SM7110C | 214934-GP209 | 10/03/17-15:50RMM |
| Gross Beta | 16.9 ± 4.81 | 6.80 | pCi/L | 50 | | 900.0 | 211945 | 10/04/17 16:00 | 900.0 | 215207-GP220 | 10/07/17-10:10aat |
| Total Alpha Radium (226) | 0.055 ± 0.132 | 0.363 | pCi/L | 3 | | 903.0 | 211451 | 09/24/17 11:00 | 903.0 | 214650-GP215 | 09/27/17-13:00aat |
| Tritium | 183 ± 264 | 434 | pCi/L | 20000 | | 906.0 | 211140 | 09/16/17 05:47 | 906.0 | 213990-LS202 | 09/17/17-03:54elc |
| Uranium | 0.749 ± 1.04 | 0.470 | pCi/L | 20 | | 908.0 | 211488 | 09/25/17 11:02 | 908.0 | 214757-GP216 | 09/29/17-16:50aat |
| Ra 228 | 0.000 ± 0.603 | 0.384 | pCi/L | 2 | | Ra - 05 | 211578 | 10/01/17 14:00 | Ra - 05 | 215054-GP217 | 10/05/17-19:30emv |

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 11, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-13
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-010
Customer ID : 2-25173

Sampled On : September 13, 2017-10:40
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.100 | 0.1 | 0.032 | mg/L | 1 | | 4500NO3F | 210988 | 09/13/17 11:45 | 4500NO3F | 213823-FI207 | 09/13/17-16:41JDD |
| Nitrite Nitrogen | 0.0130 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 211006 | 09/13/17 11:45 | 4500NO3F | 213776-FI207 | 09/13/17-16:39JDD |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | hU | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-05:45AMB |
| Ammonia Nitrogen | 0.605 | 0.2 | 0.072 | mg/L | 1 | h | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-05:45AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | U | 351.2 | 211581 | 09/27/17 06:15 | EPA351.2 | 214612-FI206 | 09/28/17-09:00AMB |
| Phosphorus, Total | 0.283 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211523 | 09/25/17 15:30 | 4500PE | 214428-UV205 | 09/25/17-17:08SJN |
| Total Dissolved Solids (TFR) | 6850 | 54 | 5.8 | mg/L | 2.6842 | b | 2540CE | 211113 | 09/15/17 13:38 | 2540C | 213966-WT219 | 09/18/17-05:53AMB |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| h | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
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**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
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**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 11, 2017

Lab ID : SP 1711160-012
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 13, 2017-09:50
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Description : CCPE
Project : Malibu WWTP - Baseline GWM

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0900 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 210988 | 09/13/17 11:45 | 4500NO3F | 213823-FI207 | 09/13/17-16:43JDD |
| Nitrite Nitrogen | 0.0130 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 211006 | 09/13/17 11:45 | 4500NO3F | 213776-FI207 | 09/13/17-16:40JDD |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | JU | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:21AMB |
| Ammonia Nitrogen | 0.168 | 0.2 | 0.072 | mg/L | 1 | J | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-07:21AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.32 | mg/L | 1 | U | 351.2 | 211532 | 09/26/17 06:25 | EPA351.2 | 214612-FI206 | 09/28/17-08:30AMB |
| Phosphorus, Total | 0.179 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211523 | 09/25/17 15:30 | 4500PE | 214428-UV205 | 09/25/17-17:09SJN |
| Total Dissolved Solids (TFR) | 7700 | 60 | 5.8 | mg/L | 3 | b | 2540CE | 211113 | 09/15/17 13:38 | 2540C | 213966-WT219 | 09/18/17-05:48AMB |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
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2500 Stagecoach Road
Stockton, CA 95215
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TEL: (530)343-5818
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CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dibromoethane(EDB) | 504 | 09/20/17:211319SBL | Blank | ug/L | | ND | <0.02 | |
| | | | LCS | ug/L | 0.2623 | 106 % | 70-130 | |
| | | | LCS | ug/L | 0.2472 | 102 % | 70-130 | |
| | | | MS | ug/L | 0.2527 | 107 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.2593 | 110 % | 70-130 | |
| | | | MSRPD | ug/L | 0.6086 | 5.5% | ≤30 | |
| | | | QMDL | ug/L | 0.02001 | 110 % | 60-140 | |
| 1,3-Dibromopropane | 504 | 09/20/17:211319SBL | Blank | ug/L | 0.5987 | 101 % | 70-130 | |
| | | | LCS | ug/L | 0.6157 | 129 % | 70-130 | |
| | | | LCS | ug/L | 0.5803 | 112 % | 70-130 | |
| | | | MS | ug/L | 0.5930 | 122 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.6086 | 133 % | 70-130 | 435 |
| | | | MSRPD | ug/L | 0.6086 | 11.8% | ≤30 | |
| | | | QMDL | ug/L | 0.5913 | 113 % | 70-130 | |
| DBCP | 504 | 09/20/17:211319SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.2623 | 120 % | 70-130 | |
| | | | LCS | ug/L | 0.2472 | 110 % | 70-130 | |
| | | | MS | ug/L | 0.2527 | 73.1 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.2593 | 128 % | 70-130 | |
| | | | MSRPD | ug/L | 0.6086 | 17.5% | ≤30 | |
| | | | QMDL | ug/L | 0.02001 | 121 % | 60-140 | |
| 13DBP | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 7.481 | 128 % | 70-130 | |
| | | | CCV | ug/L | 9.975 | 126 % | 70-130 | |
| | | | CCV | ug/L | 7.481 | 101 % | 70-130 | |
| DBCP | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 2.000 | 113 % | 70-130 | |
| | | | CCV | ug/L | 5.000 | 117 % | 70-130 | |
| | | | CCV | ug/L | 2.000 | 86.0 % | 70-130 | |
| EDB | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 2.000 | 92.5 % | 70-130 | |
| | | | CCV | ug/L | 5.000 | 101 % | 70-130 | |
| | | | CCV | ug/L | 2.000 | 81.0 % | 70-130 | |
| Alachlor | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 5.824 | 89.8 % | 84-135 | |
| | | | BS | ug/L | 5.802 | 91.9 % | 73-137 | |
| | | | BSD | ug/L | 5.754 | 87.8 % | 73-137 | |
| | | | BSRPD | ug/L | 1.152 | 5.5% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 100.0 | 86.3 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 97.9 % | 70-130 | |
| Aldrin | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.075 | |
| | | | LCS | ug/L | 0.5824 | 85.3 % | 69-134 | |
| | | | BS | ug/L | 0.5802 | 85.4 % | 21-166 | |
| | | | BSD | ug/L | 0.5754 | 84.2 % | 21-166 | |
| | | | BSRPD | ug/L | 1.152 | 2.2% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.00 | 81.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 94.2 % | 70-130 | |
| Chlordane | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.1 | |
| Dieldrin | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 85.3 % | 82-131 | |
| | | | BS | ug/L | 0.5802 | 83.2 % | 66-141 | |
| | | | BSD | ug/L | 0.5754 | 80.4 % | 66-141 | |
| | | | BSRPD | ug/L | 1.152 | 4.3% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.00 | 78.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 90.7 % | 70-130 | |
| Endrin | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 84.2 % | 83-120 | |
| | | | BS | ug/L | 0.5802 | 81.1 % | 58-134 | |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
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**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
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**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Endrin | 505 | 09/13/17:211014SBL | BSD | ug/L | 0.5754 | 72.9 % | 58-134 | |
| | | | BSRPD | ug/L | 1.152 | 11.4% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.00 | 77.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 91.5 % | 70-130 | |
| Heptachlor | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 85.0 % | 71-131 | |
| | | | BS | ug/L | 0.5802 | 86.2 % | 73-135 | |
| | | | BSD | ug/L | 0.5754 | 83.6 % | 73-135 | |
| | | | BSRPD | ug/L | 1.152 | 3.8% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.00 | 80.9 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 94.9 % | 70-130 | |
| Heptachlor Epoxide | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 77.1 % | 75-129 | |
| | | | BS | ug/L | 0.5802 | 75.5 % | 65-134 | |
| | | | BSD | ug/L | 0.5754 | 72.5 % | 65-134 | |
| | | | BSRPD | ug/L | 1.152 | 5.0% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.00 | 70.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 82.5 % | 70-130 | |
| Hexachlorobenzene | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5824 | 83.5 % | 69-134 | |
| | | | BS | ug/L | 0.5802 | 85.2 % | 71-136 | |
| | | | BSD | ug/L | 0.5754 | 83.8 % | 71-136 | |
| | | | BSRPD | ug/L | 1.152 | 2.4% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.00 | 81.3 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 93.8 % | 70-130 | |
| Hexachlorocyclopentadiene | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 0.5824 | 87.9 % | 48-144 | |
| | | | BS | ug/L | 0.5802 | 92.4 % | 60-152 | |
| | | | BSD | ug/L | 0.5754 | 90.2 % | 60-152 | |
| | | | BSRPD | ug/L | 1.152 | 3.2% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.00 | 89.0 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 109 % | 70-130 | |
| Lindane | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5824 | 109 % | 76-131 | |
| | | | BS | ug/L | 0.5802 | 109 % | 72-132 | |
| | | | BSD | ug/L | 0.5754 | 106 % | 72-132 | |
| | | | BSRPD | ug/L | 1.152 | 4.2% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.00 | 99.6 % | 70-130 | |
| | | | CCV | ug/L | 15.00 | 116 % | 70-130 | |
| Methoxychlor | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 2.912 | 82.7 % | 73-137 | |
| | | | BS | ug/L | 2.901 | 82.8 % | 59-145 | |
| | | | BSD | ug/L | 2.877 | 71.5 % | 59-145 | |
| | | | BSRPD | ug/L | 1.152 | 15.5% | ≤30 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 50.00 | 80.2 % | 70-130 | |
| | | | CCV | ug/L | 75.00 | 96.9 % | 70-130 | |
| PCB 1016/1242 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1221 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1232 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1242 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1248 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1254 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1260 - 1 | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| Tetrachloro-m-xylene | 505 | 09/13/17:211014SBL | Blank | ug/L | 1.212 | 83.8 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Tetrachloro-m-xylene | 505 | 09/13/17:211014SBL | LCS | ug/L | 1.166 | 97.0 % | 70-130 | |
| | | | BS | ug/L | 1.162 | 100 % | N/A | |
| | | | BSD | ug/L | 1.152 | 104 % | N/A | |
| | | | BSRPD | ug/L | 1.152 | 2.5% | ≤30.0 | |
| | 505 | 09/14/17:213798SBL | CCV | ug/L | 10.01 | 206 % | 70-130 | 362 |
| | | | CCV | ug/L | 20.02 | 164 % | 70-130 | 362 |
| Toxaphene | 505 | 09/13/17:211014SBL | Blank | ug/L | | ND | <0.5 | |
| Alachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 91.8 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 98.4 % | 47-147 | |
| | | | BSD | ug/L | 2.500 | 110 % | 47-147 | |
| | | | BSRPD | ug/L | 12.50 | 0.29 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 90.4 % | 80-120 | |
| Atrazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 95.9 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 101 % | 52-154 | |
| | | | BSD | ug/L | 2.500 | 94.5 % | 52-154 | |
| | | | BSRPD | ug/L | 12.50 | 0.17 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 89.0 % | 80-120 | |
| Bromacil | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 99.5 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 38-170 | |
| | | | BSD | ug/L | 2.500 | 81.6 % | 38-170 | |
| | | | BSRPD | ug/L | 12.50 | 0.79 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| Butachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.38 | |
| | | | LCS | ug/L | 2.500 | 84.2 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 96.3 % | 37-150 | |
| | | | BSD | ug/L | 2.500 | 93.5 % | 37-150 | |
| | | | BSRPD | ug/L | 12.50 | 2.9% | ≤53.8 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 94.8 % | 80-120 | |
| Cyanazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 97.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 41-152 | |
| | | | BSD | ug/L | 2.500 | 90.5 % | 41-152 | |
| | | | BSRPD | ug/L | 12.50 | 21.9% | ≤30 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 114 % | 80-120 | |
| Diazinon | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 83.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 89.1 % | 56-128 | |
| | | | BSD | ug/L | 2.500 | 94.0 % | 56-128 | |
| | | | BSRPD | ug/L | 12.50 | 0.12 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 93.3 % | 80-120 | |
| Dimethoate | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 83.1 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 90.8 % | 49-168 | |
| | | | BSD | ug/L | 2.500 | 81.0 % | 49-168 | |
| | | | BSRPD | ug/L | 12.50 | 0.25 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| EPN/Triphenylphosphate | 507 | 09/26/17:211540caa | Blank | ug/L | 12.50 | 75.2 % | 70-130 | |
| | | | LCS | ug/L | 12.50 | 73.0 % | 70-130 | |
| | | | BS | ug/L | 12.50 | 92.2 % | 70-130 | |
| | | | BSD | ug/L | 12.50 | 74.4 % | 70-130 | |
| | | | BSRPD | ug/L | 12.50 | 21.3% | ≤30 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Metolachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 94.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 101 % | 45-154 | |
| | | | BSD | ug/L | 2.500 | 89.5 % | 45-154 | |
| | | | BSRPD | ug/L | 12.50 | 0.28 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| Metribuzin | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 81.6 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 87.3 % | 30-169 | |
| | | | BSD | ug/L | 2.500 | 85.3 % | 30-169 | |
| | | | BSRPD | ug/L | 12.50 | 0.049 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 91.6 % | 80-120 | |
| Molinate | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 107 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 19-191 | |
| | | | BSD | ug/L | 2.500 | 108 % | 19-191 | |
| | | | BSRPD | ug/L | 12.50 | 0.12 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 84.7 % | 80-120 | |
| Prometryne | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 91.4 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 99.8 % | 44-152 | |
| | | | BSD | ug/L | 2.500 | 84.0 % | 44-152 | |
| | | | BSRPD | ug/L | 12.50 | 0.39 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 95.2 % | 80-120 | |
| Propachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 95.2 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 96.5 % | 36-179 | |
| | | | BSD | ug/L | 2.500 | 98.7 % | 36-179 | |
| | | | BSRPD | ug/L | 12.50 | 0.056 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 88.8 % | 80-120 | |
| Simazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 99.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 105 % | 49-167 | |
| | | | BSD | ug/L | 2.500 | 89.7 % | 49-167 | |
| | | | BSRPD | ug/L | 12.50 | 0.38 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 100 % | 80-120 | |
| Thiobencarb | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 94.9 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 95.4 % | 50-148 | |
| | | | BSD | ug/L | 2.500 | 81.9 % | 50-148 | |
| | | | BSRPD | ug/L | 12.50 | 0.34 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 85.6 % | 80-120 | |
| Triphenylphosphate | 507 | 09/29/17:214644SG | CCV | ug/L | 2500 | 115 % | 80-120 | |
| 2,4,5-T | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 87.9 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 76.6 % | 70-130 | |
| 2,4,5-TP (Silvex) | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 75.7 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 67.4 % | 70-130 | 435 |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 74.8 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.30 | ≤1 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 75.6 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 73.8 % | 70-130 | |
| 2,4,5-Trichlorophenoxyacetic A | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 96.6 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,4,5-Trichlorophenoxyacetic A | 515.3 | | MS | ug/L | 4.000 | 78.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 86.6 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.35 | ≤1 | |
| 2,4-D | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 8.000 | 120 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 81.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 88.7 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.62 | ≤2 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 116 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 73.9 % | 70-130 | |
| 2,4-DCAA | 515.3 | 09/21/17:211389SG | Blank | ug/L | 20.00 | 87.7 % | 70-130 | |
| | | | LCS | ug/L | 20.00 | 97.2 % | 70-130 | |
| | | | MS | ug/L | 20.00 | 75.6 % | N/A | |
| | | (SP 1711160-002) | MSD | ug/L | 20.00 | 81.5 % | N/A | |
| | | | MSRPD | ug/L | 20.00 | 7.6% | ≤30. | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 200.0 | 86.8 % | 70-130 | |
| | | | CCV | ug/L | 400.0 | 75.1 % | 70-130 | |
| Bentazon | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 8.000 | 82.9 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 71.9 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 77.8 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.47 | ≤2 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 87.0 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 81.4 % | 70-130 | |
| Dalapon | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 52.00 | 85.8 % | 70-130 | |
| | | | MS | ug/L | 52.00 | 87.4 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 52.00 | 101 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 7.0 | ≤10 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 520.0 | 98.4 % | 70-130 | |
| | | | CCV | ug/L | 1040 | 90.9 % | 70-130 | |
| Dicamba | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 92.2 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 88.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 97.1 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.36 | ≤1 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 80.0 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 88.5 % | 70-130 | |
| Dinoseb | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 8.000 | 109 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 83.2 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 91.1 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 9.1% | ≤30.0 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 90.4 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 80.8 % | 70-130 | |
| Pentachlorophenol | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 4.000 | 82.9 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 71.5 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 78.7 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 9.6% | ≤30.0 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 81.2 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 75.0 % | 70-130 | |
| Picloram | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 121 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Picloram | 515.3 | | MS | ug/L | 4.000 | 96.5 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 108 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.47 | ≤1 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 112 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 76.7 % | 70-130 | |
| 1,1,1,2-Tetrachloroethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 12-178 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 125 % | 12-178 | |
| | | | MSRPD | ug/L | 10.00 | 4.5% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 12-178 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 106 % | 12-178 | |
| | | | MSRPD | ug/L | 10.00 | 19.4% | ≤39 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 12-178 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 123 % | 12-178 | |
| | | | MSRPD | ug/L | 10.00 | 9.8% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| 1,1,1-Trichloroethane(TCA) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 139 % | 9-176 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 146 % | 9-176 | |
| | | | MSRPD | ug/L | 10.00 | 4.9% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 149 % | 9-176 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 121 % | 9-176 | |
| | | | MSRPD | ug/L | 10.00 | 20.4% | ≤33 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 114 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 9-176 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 154 % | 9-176 | |
| | | | MSRPD | ug/L | 10.00 | 15.6% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| 1,1,2,2-Tetrachloroethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 23-180 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 133 % | 23-180 | |
| | | | MSRPD | ug/L | 10.00 | 2.8% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 142 % | 23-180 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 116 % | 23-180 | |
| | | | MSRPD | ug/L | 10.00 | 20.4% | ≤34 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 144 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 23-180 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 139 % | 23-180 | |
| | | | MSRPD | ug/L | 10.00 | 10.6% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 131 % | 70-130 | 360 |
| 1,1,2-Trichloroethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 25-173 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 123 % | 25-173 | |
| | | | MSRPD | ug/L | 10.00 | 4.0% | ≤29 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,1,2-Trichloroethane | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 118 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 136 % | 25-173 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 113 % | 25-173 | |
| | | | MSRPD | ug/L | 10.00 | 18.3% | ≤29 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 125 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 25-173 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 25-173 | |
| | | | MSRPD | ug/L | 10.00 | 12.7% | ≤29 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 121 % | 70-130 | |
| 1,1-Dichloroethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 15-161 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 137 % | 15-161 | |
| | | | MSRPD | ug/L | 10.00 | 6.2% | ≤36 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 136 % | 15-161 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 111 % | 15-161 | |
| | | | MSRPD | ug/L | 10.00 | 20.0% | ≤36 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 15-161 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 140 % | 15-161 | |
| | | | MSRPD | ug/L | 10.00 | 13.4% | ≤36 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| 1,1-Dichloroethylene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 139 % | 0-162 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 145 % | 0-162 | |
| | | | MSRPD | ug/L | 10.00 | 3.9% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 0-162 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 102 % | 0-162 | |
| | | | MSRPD | ug/L | 10.00 | 18.3% | ≤33 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 93.9 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 0-162 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 153 % | 0-162 | |
| | | | MSRPD | ug/L | 10.00 | 21.0% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| 1,1-Dichloropropene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 0-171 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 133 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 7.0% | ≤31 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 94.0 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 0-171 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 108 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 18.6% | ≤31 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 96.5 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 0-171 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 138 % | 0-171 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,1-Dichloropropene | 524.2 | 09/25/17:211594VRG | MSRPD | ug/L | 10.00 | 21.0% | ≤31 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| 1,2,3-Trichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 14-181 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 119 % | 14-181 | |
| | | | MSRPD | ug/L | 10.00 | 0.1% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 14-181 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 100 % | 14-181 | |
| | | | MSRPD | ug/L | 10.00 | 12.7% | ≤34 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 101 % | 14-181 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 120 % | 14-181 | |
| | | | MSRPD | ug/L | 10.00 | 17.0% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| 1,2,4-Trichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 103 % | 10-180 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 101 % | 10-180 | |
| | | | MSRPD | ug/L | 10.00 | 2.0% | ≤32 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 92.6 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 94.8 % | 10-180 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 86.7 % | 10-180 | |
| | | | MSRPD | ug/L | 10.00 | 8.9% | ≤32 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 89.0 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 87.7 % | 10-180 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 106 % | 10-180 | |
| | | | MSRPD | ug/L | 10.00 | 19.0% | ≤32 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 87.1 % | 70-130 | |
| 1,2,4-Trimethylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 2-192 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 132 % | 2-192 | |
| | | | MSRPD | ug/L | 10.00 | 3.3% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 121 % | 2-192 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 101 % | 2-192 | |
| | | | MSRPD | ug/L | 10.00 | 18.3% | ≤39 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 2-192 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 2-192 | |
| | | | MSRPD | ug/L | 10.00 | 19.1% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| 1,2-Dichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 13-191 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 126 % | 13-191 | |
| | | | MSRPD | ug/L | 10.00 | 1.0% | ≤35 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 13-191 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dichlorobenzene | 524.2 | (SP 1711160-004) | MSD | ug/L | 10.00 | 112 % | 13-191 | |
| | | | MSRPD | ug/L | 10.00 | 13.4% | ≤35 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 114 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 13-191 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 13-191 | |
| | | | MSRPD | ug/L | 10.00 | 12.3% | ≤35 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| 1,2-Dichlorobenzene-d4 | 524.2 | 09/14/17:211189VRG | Blank | ug/L | 10.00 | 87.8 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 109 % | 70-130 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 106 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 2.5% | ≤20 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | 10.00 | 88.5 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 105 % | 70-130 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 105 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 0.1% | ≤20 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | 10.00 | 94.9 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 113 % | 70-130 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 112 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 0.7% | ≤20 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| 1,2-Dichloroethane (EDC) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 18-162 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 129 % | 18-162 | |
| | | | MSRPD | ug/L | 10.00 | 4.3% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 134 % | 18-162 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 111 % | 18-162 | |
| | | | MSRPD | ug/L | 10.00 | 19.1% | ≤33 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 121 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 18-162 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 18-162 | |
| | | | MSRPD | ug/L | 10.00 | 9.9% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 118 % | 70-130 | |
| 1,2-Dichloropropane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 121 % | 10-163 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 128 % | 10-163 | |
| | | | MSRPD | ug/L | 10.00 | 6.1% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 10-163 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 110 % | 10-163 | |
| | | | MSRPD | ug/L | 10.00 | 16.7% | ≤34 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 10-163 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 134 % | 10-163 | |
| | | | MSRPD | ug/L | 10.00 | 14.5% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| 1,3,5-Trimethylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,3,5-Trimethylbenzene | 524.2 | | MS | ug/L | 10.00 | 125 % | 0-210 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 131 % | 0-210 | |
| | | | MSRPD | ug/L | 10.00 | 4.1% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 0-210 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 108 % | 0-210 | |
| | | | MSRPD | ug/L | 10.00 | 17.0% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 0-210 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 129 % | 0-210 | |
| | | | MSRPD | ug/L | 10.00 | 18.4% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| 1,3-Dichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 17-182 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 127 % | 17-182 | |
| | | | MSRPD | ug/L | 10.00 | 2.9% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 17-182 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 112 % | 17-182 | |
| | | | MSRPD | ug/L | 10.00 | 15.8% | ≤39 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 17-182 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 130 % | 17-182 | |
| | | | MSRPD | ug/L | 10.00 | 14.9% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| 1,3-Dichloropropane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 0-178 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 127 % | 0-178 | |
| | | | MSRPD | ug/L | 10.00 | 2.2% | ≤29 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 136 % | 0-178 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 113 % | 0-178 | |
| | | | MSRPD | ug/L | 10.00 | 18.7% | ≤29 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 125 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 0-178 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 130 % | 0-178 | |
| | | | MSRPD | ug/L | 10.00 | 13.6% | ≤29 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| 1,4-Dichlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 19-183 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 133 % | 19-183 | |
| | | | MSRPD | ug/L | 10.00 | 0.4% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 120 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 140 % | 19-183 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 118 % | 19-183 | |
| | | | MSRPD | ug/L | 10.00 | 16.8% | ≤37 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 117 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,4-Dichlorobenzene | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 19-183 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 137 % | 19-183 | |
| | | | MSRPD | ug/L | 10.00 | 12.6% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 120 % | 70-130 | |
| 2,2-Dichloropropane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 0-288 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 140 % | 0-288 | |
| | | | MSRPD | ug/L | 10.00 | 7.5% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 0-288 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 114 % | 0-288 | |
| | | | MSRPD | ug/L | 10.00 | 14.6% | ≤33 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 0-288 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 147 % | 0-288 | |
| | | | MSRPD | ug/L | 10.00 | 18.0% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| 2-Chlorotoluene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 17-180 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 131 % | 17-180 | |
| | | | MSRPD | ug/L | 10.00 | 4.6% | ≤38 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 137 % | 17-180 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 111 % | 17-180 | |
| | | | MSRPD | ug/L | 10.00 | 20.7% | ≤38 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 17-180 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 134 % | 17-180 | |
| | | | MSRPD | ug/L | 10.00 | 14.2% | ≤38 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| 4-Bromofluorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | 10.00 | 87.1 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 108 % | 70-130 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 108 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 0.3% | ≤30 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | 10.00 | 88.8 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 107 % | 70-130 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 108 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 1.1% | ≤30 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | 10.00 | 92.4 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 115 % | 70-130 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 114 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 0.5% | ≤30 | |
| 4-Bromofluorobenzene (BFB) | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| 4-Chlorotoluene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 11-177 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 135 % | 11-177 | |
| | | | MSRPD | ug/L | 10.00 | 4.4% | ≤41 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 4-Chlorotoluene | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 139 % | 11-177 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 116 % | 11-177 | |
| | | | MSRPD | ug/L | 10.00 | 18.1% | ≤41 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 11-177 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 137 % | 11-177 | |
| | | | MSRPD | ug/L | 10.00 | 15.3% | ≤41 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| Benzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 12-158 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 133 % | 12-158 | |
| | | | MSRPD | ug/L | 10.00 | 7.5% | ≤36 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 12-158 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 109 % | 12-158 | |
| | | | MSRPD | ug/L | 10.00 | 18.2% | ≤36 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 12-158 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 135 % | 12-158 | |
| | | | MSRPD | ug/L | 10.00 | 15.9% | ≤36 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| Bromobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 23-177 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 120 % | 23-177 | |
| | | | MSRPD | ug/L | 10.00 | 3.2% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 121 % | 23-177 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 104 % | 23-177 | |
| | | | MSRPD | ug/L | 10.00 | 15.3% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 106 % | 23-177 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 121 % | 23-177 | |
| | | | MSRPD | ug/L | 10.00 | 13.3% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| Bromochloromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 4-186 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 125 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 7.2% | ≤30 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 4-186 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 104 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 20.2% | ≤30 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 4-186 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 126 % | 4-186 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Bromochloromethane | 524.2 | 09/25/17:211594VRG | MSRPD | ug/L | 10.00 | 11.0% | ≤30 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| Bromodichloromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 11-164 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 143 % | 11-164 | |
| | | | MSRPD | ug/L | 10.00 | 4.1% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 147 % | 11-164 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 122 % | 11-164 | |
| | | | MSRPD | ug/L | 10.00 | 18.4% | ≤34 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 129 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 124 % | 11-164 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 143 % | 11-164 | |
| | | | MSRPD | ug/L | 10.00 | 14.5% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 114 % | 70-130 | |
| Bromoform | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 0-235 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 125 % | 0-235 | |
| | | | MSRPD | ug/L | 10.00 | 0.6% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 82.9 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 0-235 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 100 % | 0-235 | |
| | | | MSRPD | ug/L | 10.00 | 26.1% | ≤39 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 130 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 96.7 % | 0-235 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 118 % | 0-235 | |
| | | | MSRPD | ug/L | 10.00 | 19.5% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 82.1 % | 70-130 | |
| Bromomethane (Methyl Bromide) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 46.3 % | 0-196 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 53.1 % | 0-196 | |
| | | | MSRPD | ug/L | 10.00 | 13.7% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 176 % | 70-130 | 360 |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 69.8 % | 0-196 | |
| | | (SP 1711160-004) | MSD | ug/L | 40.00 | 53.1 % | 0-196 | |
| | | | MSRPD | ug/L | 10.00 | 27.2% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 173 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 48.5 % | 0-196 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 57.1 % | 0-196 | |
| | | | MSRPD | ug/L | 10.00 | 16.2% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 170 % | 70-130 | 360 |
| Carbon Tetrachloride | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 5-175 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 142 % | 5-175 | |
| | | | MSRPD | ug/L | 10.00 | 3.2% | ≤32 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 139 % | 5-175 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Carbon Tetrachloride | 524.2 | (SP 1711160-004) | MSD | ug/L | 10.00 | 117 % | 5-175 | |
| | | | MSRPD | ug/L | 10.00 | 17.4% | ≤32 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 5-175 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 147 % | 5-175 | |
| | | | MSRPD | ug/L | 10.00 | 15.8% | ≤32 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| Chlorobenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 14-175 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 122 % | 14-175 | |
| | | | MSRPD | ug/L | 10.00 | 6.8% | ≤35 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 98.1 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 14-175 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 103 % | 14-175 | |
| | | | MSRPD | ug/L | 10.00 | 16.5% | ≤35 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 106 % | 14-175 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 121 % | 14-175 | |
| | | | MSRPD | ug/L | 10.00 | 13.4% | ≤35 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| Chloroethane (Ethyl Chloride) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 51.1 % | 0-184 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 58.7 % | 0-184 | |
| | | | MSRPD | ug/L | 10.00 | 14.0% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 181 % | 70-130 | 360 |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 76.0 % | 0-184 | |
| | | (SP 1711160-004) | MSD | ug/L | 40.00 | 56.4 % | 0-184 | |
| | | | MSRPD | ug/L | 10.00 | 29.6% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 177 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 53.2 % | 0-184 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 63.6 % | 0-184 | |
| | | | MSRPD | ug/L | 10.00 | 17.9% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 177 % | 70-130 | 360 |
| Chloroform | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 134 % | 15-163 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 140 % | 15-163 | |
| | | | MSRPD | ug/L | 10.00 | 4.3% | ≤36 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 142 % | 15-163 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 119 % | 15-163 | |
| | | | MSRPD | ug/L | 10.00 | 18.1% | ≤36 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 15-163 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 146 % | 15-163 | |
| | | | MSRPD | ug/L | 10.00 | 14.2% | ≤36 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| Chloromethane(Methyl Chloride) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Chloromethane(Methyl Chloride) | 524.2 | | MS | ug/L | 40.00 | 35.8 % | 0-224 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 41.1 % | 0-224 | |
| | | | MSRPD | ug/L | 10.00 | 13.8% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 133 % | 70-130 | 360 |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 63.0 % | 0-224 | |
| | | (SP 1711160-004) | MSD | ug/L | 40.00 | 45.5 % | 0-224 | |
| | | | MSRPD | ug/L | 10.00 | 32.4% | ≤39 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 149 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 42.5 % | 0-224 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 52.7 % | 0-224 | |
| | | | MSRPD | ug/L | 10.00 | 21.5% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 159 % | 70-130 | 360 |
| cis-1,2-Dichloroethylene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 16-172 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 128 % | 16-172 | |
| | | | MSRPD | ug/L | 10.00 | 6.9% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 16-172 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 112 % | 16-172 | |
| | | | MSRPD | ug/L | 10.00 | 13.5% | ≤34 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 16-172 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 16-172 | |
| | | | MSRPD | ug/L | 10.00 | 14.4% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| cis-1,3-Dichloropropene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.550 | 120 % | 5-158 | |
| | | (CC 1783489-001) | MSD | ug/L | 9.550 | 127 % | 5-158 | |
| | | | MSRPD | ug/L | 10.00 | 5.2% | ≤38 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 9.550 | 106 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.550 | 123 % | 5-158 | |
| | | (SP 1711160-004) | MSD | ug/L | 9.550 | 96.0 % | 5-158 | |
| | | | MSRPD | ug/L | 10.00 | 24.9% | ≤38 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 9.550 | 109 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.550 | 99.9 % | 5-158 | |
| | | (SP 1711602-001) | MSD | ug/L | 9.550 | 123 % | 5-158 | |
| | | | MSRPD | ug/L | 10.00 | 21.0% | ≤38 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 9.550 | 103 % | 70-130 | |
| Dibromochloromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 1-180 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 122 % | 1-180 | |
| | | | MSRPD | ug/L | 10.00 | 3.7% | ≤34 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 85.4 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 1-180 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 101 % | 1-180 | |
| | | | MSRPD | ug/L | 10.00 | 21.6% | ≤34 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 117 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Dibromochloromethane | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 100 % | 1-180 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 116 % | 1-180 | |
| | | | MSRPD | ug/L | 10.00 | 15.2% | ≤34 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 88.3 % | 70-130 | |
| Dibromomethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 11-168 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 116 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 0.5% | ≤28 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 117 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 11-168 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 106 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 18.3% | ≤28 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 118 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 11-168 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 127 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 12.1% | ≤28 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 115 % | 70-130 | |
| Dichlorodifluoromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 26.3 % | 0-334 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 31.0 % | 0-334 | |
| | | | MSRPD | ug/L | 10.00 | 16.4% | ≤39 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 89.7 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 74.6 % | 0-334 | |
| | | (SP 1711160-004) | MSD | ug/L | 40.00 | 47.6 % | 0-334 | |
| | | | MSRPD | ug/L | 10.00 | 44.2% | ≤39 | 435 |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 157 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 46.8 % | 0-334 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 63.6 % | 0-334 | |
| | | | MSRPD | ug/L | 10.00 | 30.4% | ≤39 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 215 % | 70-130 | 360 |
| Dichloromethane | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 20-157 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 132 % | 20-157 | |
| | | | MSRPD | ug/L | 10.00 | 4.7% | ≤36 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 20-157 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 108 % | 20-157 | |
| | | | MSRPD | ug/L | 10.00 | 18.3% | ≤36 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 20-157 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 140 % | 20-157 | |
| | | | MSRPD | ug/L | 10.00 | 15.9% | ≤36 | |
| Ethyl tert-Butyl Ether | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 121 % | 11-165 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 126 % | 11-165 | |
| | | | MSRPD | ug/L | 10.00 | 0.54 | ≤3 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 122 % | 11-165 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Ethyl tert-Butyl Ether | 524.2 | (SP 1711160-004) | MSD | ug/L | 10.00 | 104 % | 11-165 | |
| | | | MSRPD | ug/L | 10.00 | 1.8 | ≤3 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 107 % | 11-165 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 126 % | 11-165 | |
| | | | MSRPD | ug/L | 10.00 | 1.9 | ≤3 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| Ethylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 9-174 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 120 % | 9-174 | |
| | | | MSRPD | ug/L | 10.00 | 6.8% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 91.5 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 122 % | 9-174 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 99.9 % | 9-174 | |
| | | | MSRPD | ug/L | 10.00 | 19.6% | ≤37 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 94.9 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 99.5 % | 9-174 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 120 % | 9-174 | |
| | | | MSRPD | ug/L | 10.00 | 18.9% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 95.6 % | 70-130 | |
| Freon-11 | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 44.1 % | 0-232 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 50.8 % | 0-232 | |
| | | | MSRPD | ug/L | 10.00 | 14.0% | ≤35 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 69.2 % | 0-232 | |
| | | (SP 1711160-004) | MSD | ug/L | 40.00 | 46.2 % | 0-232 | |
| | | | MSRPD | ug/L | 10.00 | 39.9% | ≤35 | 435 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 44.9 % | 0-232 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 57.3 % | 0-232 | |
| | | | MSRPD | ug/L | 10.00 | 24.3% | ≤35 | |
| Hexachlorobutadiene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 14-200 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 128 % | 14-200 | |
| | | | MSRPD | ug/L | 10.00 | 4.0% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 98.1 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 109 % | 14-200 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 105 % | 14-200 | |
| | | | MSRPD | ug/L | 10.00 | 3.8% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 99.2 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 14-200 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 129 % | 14-200 | |
| | | | MSRPD | ug/L | 10.00 | 17.8% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| Isopropyl Ether | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 135 % | 8-165 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 143 % | 8-165 | |
| | | | MSRPD | ug/L | 10.00 | 0.85 | ≤3 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Isopropyl Ether | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 143 % | 8-165 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 121 % | 8-165 | |
| | | | MSRPD | ug/L | 10.00 | 2.2 | ≤3 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 121 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 125 % | 8-165 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 146 % | 8-165 | |
| | | | MSRPD | ug/L | 10.00 | 2.1 | ≤3 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| Isopropylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 110 % | 4-159 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 117 % | 4-159 | |
| | | | MSRPD | ug/L | 10.00 | 6.1% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 85.6 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 4-159 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 97.4 % | 4-159 | |
| | | | MSRPD | ug/L | 10.00 | 17.3% | ≤37 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 91.3 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 97.7 % | 4-159 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 117 % | 4-159 | |
| | | | MSRPD | ug/L | 10.00 | 18.4% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 89.8 % | 70-130 | |
| Methyl tert-Butyl Ether | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 97.3 % | 70-130 | |
| Methyl tert-Butyl Ether (MTBE) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 10.00 | 109 % | 11-168 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 113 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤29 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 10.00 | 109 % | 11-168 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 94.1 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 15.1% | ≤29 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 10.00 | 95.1 % | 11-168 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 113 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 17.3% | ≤29 | |
| Methylene Chloride | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 121 % | 70-130 | |
| Naphthalene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 103 % | 0-189 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 102 % | 0-189 | |
| | | | MSRPD | ug/L | 10.00 | 0.5% | ≤32 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 97.8 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 100 % | 0-189 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 86.1 % | 0-189 | |
| | | | MSRPD | ug/L | 10.00 | 15.2% | ≤32 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Naphthalene | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 86.3 % | 0-189 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 104 % | 0-189 | |
| | | | MSRPD | ug/L | 10.00 | 18.6% | ≤32 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 91.7 % | 70-130 | |
| n-Butylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 4-186 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 132 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 0.07% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 4-186 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 112 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 15.2% | ≤37 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 4-186 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 135 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 18.5% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| n-Propylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 0-174 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 131 % | 0-174 | |
| | | | MSRPD | ug/L | 10.00 | 3.0% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 134 % | 0-174 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 112 % | 0-174 | |
| | | | MSRPD | ug/L | 10.00 | 17.8% | ≤37 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 0-174 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 133 % | 0-174 | |
| | | | MSRPD | ug/L | 10.00 | 17.6% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| p-Isopropyltoluene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 0-193 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 130 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 2.4% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 98.3 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 0-193 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 109 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 16.7% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 0-193 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 16.7% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| sec-Butylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 0-177 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 132 % | 0-177 | |
| | | | MSRPD | ug/L | 10.00 | 3.2% | ≤40 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| sec-Butylbenzene | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 97.1 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 0-177 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 112 % | 0-177 | |
| | | | MSRPD | ug/L | 10.00 | 16.1% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 0-177 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 135 % | 0-177 | |
| | | | MSRPD | ug/L | 10.00 | 16.6% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| Styrene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 0-198 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 131 % | 0-198 | |
| | | | MSRPD | ug/L | 10.00 | 8.7% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 104 % | 0-198 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 84.3 % | 0-198 | |
| | | | MSRPD | ug/L | 10.00 | 21.1% | ≤37 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 100 % | 0-198 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 127 % | 0-198 | |
| | | | MSRPD | ug/L | 10.00 | 23.0% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| TAME | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 116 % | 15-162 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 124 % | 15-162 | |
| | | | MSRPD | ug/L | 10.00 | 0.80 | ≤3 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 121 % | 15-162 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 102 % | 15-162 | |
| | | | MSRPD | ug/L | 10.00 | 1.9 | ≤3 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 103 % | 15-162 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 122 % | 15-162 | |
| | | | MSRPD | ug/L | 10.00 | 1.9 | ≤3 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| tert-Butylbenzene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 9-179 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 121 % | 9-179 | |
| | | | MSRPD | ug/L | 10.00 | 4.6% | ≤38 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 89.8 % | 30-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 121 % | 9-179 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 102 % | 9-179 | |
| | | | MSRPD | ug/L | 10.00 | 16.5% | ≤38 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 97.2 % | 30-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 102 % | 9-179 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 125 % | 9-179 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| tert-Butylbenzene | 524.2 | 09/25/17:211594VRG | MSRPD | ug/L | 10.00 | 19.7% | ≤38 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 96.1 % | 30-130 | |
| Tetrachloroethylene (PCE) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 122 % | 14-186 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 130 % | 14-186 | |
| | | | MSRPD | ug/L | 10.00 | 6.1% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 95.8 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 14-186 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 108 % | 14-186 | |
| | | | MSRPD | ug/L | 10.00 | 22.5% | ≤33 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 14-186 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 131 % | 14-186 | |
| | | | MSRPD | ug/L | 10.00 | 15.9% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| Toluene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 3-174 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 125 % | 3-174 | |
| | | | MSRPD | ug/L | 10.00 | 5.5% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 99.7 % | 30-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 3-174 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 107 % | 3-174 | |
| | | | MSRPD | ug/L | 10.00 | 16.4% | ≤37 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 102 % | 30-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 106 % | 3-174 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 126 % | 3-174 | |
| | | | MSRPD | ug/L | 10.00 | 17.0% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 103 % | 30-130 | |
| trans-1,2-Dichloroethylene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 5-165 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 130 % | 5-165 | |
| | | | MSRPD | ug/L | 10.00 | 5.2% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 99.9 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 121 % | 5-165 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 101 % | 5-165 | |
| | | | MSRPD | ug/L | 10.00 | 18.1% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 98.2 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 5-165 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 132 % | 5-165 | |
| | | | MSRPD | ug/L | 10.00 | 15.0% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| trans-1,3-Dichloropropene | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.200 | 125 % | 0-169 | |
| | | (CC 1783489-001) | MSD | ug/L | 9.200 | 131 % | 0-169 | |
| | | | MSRPD | ug/L | 10.00 | 4.6% | ≤31 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 9.200 | 114 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.200 | 127 % | 0-169 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| trans-1,3-Dichloropropene | 524.2 | (SP 1711160-004) | MSD | ug/L | 9.200 | 98.1 % | 0-169 | |
| | | | MSRPD | ug/L | 10.00 | 25.6% | ≤31 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 9.200 | 119 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.200 | 106 % | 0-169 | |
| | | (SP 1711602-001) | MSD | ug/L | 9.200 | 129 % | 0-169 | |
| | | | MSRPD | ug/L | 10.00 | 19.7% | ≤31 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 9.200 | 114 % | 70-130 | |
| Trichloroethylene (TCE) | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 121 % | 11-167 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 130 % | 11-167 | |
| | | | MSRPD | ug/L | 10.00 | 7.5% | ≤35 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 98.7 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 11-167 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 108 % | 11-167 | |
| | | | MSRPD | ug/L | 10.00 | 16.1% | ≤35 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 11-167 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 130 % | 11-167 | |
| | | | MSRPD | ug/L | 10.00 | 16.1% | ≤35 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| Trichlorofluoromethane F-11 | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 135 % | 70-130 | 360 |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 138 % | 70-130 | 360 |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 152 % | 70-130 | 360 |
| Trichlorotrifluoroethane F-113 | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 5.000 | 325 % | 0-183 | 435 |
| | | (CC 1783489-001) | MSD | ug/L | 5.000 | 318 % | 0-183 | 435 |
| | | | MSRPD | ug/L | 10.00 | 2.2% | ≤33 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 5.000 | 224 % | 70-130 | 360 |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 5.000 | 327 % | 0-183 | 435 |
| | | (SP 1711160-004) | MSD | ug/L | 5.000 | 252 % | 0-183 | 435 |
| | | | MSRPD | ug/L | 10.00 | 26.2% | ≤33 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 5.000 | 229 % | 70-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 143 % | 0-183 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 170 % | 0-183 | |
| | | | MSRPD | ug/L | 10.00 | 16.9% | ≤33 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 132 % | 70-130 | 360 |
| Vinyl Chloride | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 45.9 % | 0-208 | |
| | | (CC 1783489-001) | MSD | ug/L | 40.00 | 54.9 % | 0-208 | |
| | | | MSRPD | ug/L | 10.00 | 17.8% | ≤40 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 154 % | 30-130 | 360 |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 78.7 % | 0-208 | |
| | | (SP 1711160-004) | MSD | ug/L | 40.00 | 53.3 % | 0-208 | |
| | | | MSRPD | ug/L | 10.00 | 38.4% | ≤40 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 163 % | 30-130 | 360 |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 51.8 % | 0-208 | |
| | | (SP 1711602-001) | MSD | ug/L | 40.00 | 63.9 % | 0-208 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Vinyl Chloride | 524.2 | 09/25/17:211594VRG | MSRPD | ug/L | 10.00 | 21.0% | ≤40 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 187 % | 30-130 | 360 |
| Xylenes m,p | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 20.00 | 124 % | 0-193 | |
| | | (CC 1783489-001) | MSD | ug/L | 20.00 | 133 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 6.8% | ≤37 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 20.00 | 103 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 20.00 | 133 % | 0-193 | |
| | | (SP 1711160-004) | MSD | ug/L | 20.00 | 109 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 19.4% | ≤37 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 20.00 | 109 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 20.00 | 110 % | 0-193 | |
| | | (SP 1711602-001) | MSD | ug/L | 20.00 | 133 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 18.8% | ≤37 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 20.00 | 109 % | 70-130 | |
| Xylenes o | 524.2 | 09/14/17:211189VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 0-188 | |
| | | (CC 1783489-001) | MSD | ug/L | 10.00 | 121 % | 0-188 | |
| | | | MSRPD | ug/L | 10.00 | 4.7% | ≤36 | |
| | 524.2 | 09/14/17:213994VRG | CCV | ug/L | 10.00 | 97.7 % | 70-130 | |
| | 524.2 | 09/18/17:211272VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 121 % | 0-188 | |
| | | (SP 1711160-004) | MSD | ug/L | 10.00 | 101 % | 0-188 | |
| | | | MSRPD | ug/L | 10.00 | 18.2% | ≤36 | |
| | 524.2 | 09/18/17:214179VRG | CCV | ug/L | 10.00 | 99.0 % | 70-130 | |
| | 524.2 | 09/25/17:211594VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 102 % | 0-188 | |
| | | (SP 1711602-001) | MSD | ug/L | 10.00 | 122 % | 0-188 | |
| | | | MSRPD | ug/L | 10.00 | 18.0% | ≤36 | |
| | 524.2 | 09/25/17:214521VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| 3-Hydroxycarbofuran | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 81.6 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 87.1 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 89.1 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 2.3% | ≤16.8 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 94.9 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 99.0 % | 80-120 | |
| Aldicarb | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 85.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 89.2 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 92.5 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.7% | ≤11.2 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 83.7 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 102 % | 80-120 | |
| Aldicarb Sulfone | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 93.5 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 90.6 % | 80-120 | |
| Aldicarb Sulfone/Sulfoxide | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <2 | |
| | | | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 92.0 % | 80-120 | |
| | | | LCS | ug/L | 20.00 | 83.0 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 95.8 % | 65-135 | |
| | | | MS | ug/L | 20.00 | 87.0 % | 65-135 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Aldicarb Sulfone/Sulfoxide | 531.1 | (CH 1777523-001) | MSD | ug/L | 20.00 | 98.9 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 90.4 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.8% | ≤7.28 | |
| | | | MSRPD | ug/L | 20.00 | 3.2% | ≤13.8 | |
| Aldicarb Sulfoxide | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 99.1 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 104 % | 80-120 | |
| Carbaryl | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 80.4 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 107 % | 80-120 | |
| Carbaryl/Naphthol | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 87.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 91.0 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.9 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.78 | ≤5 | |
| Carbofuran | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 84.0 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 90.2 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 89.2 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.19 | ≤5 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 81.1 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 87.4 % | 80-120 | |
| Methomyl | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 87.4 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 90.9 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.0 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.4% | ≤53.1 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 109 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 101 % | 80-120 | |
| Oxamyl | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 88.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 92.4 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.8 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.48 | ≤5 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 90.7 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 94.3 % | 80-120 | |
| TOC | 5310C | 09/20/17:211306AMM | Blank | mg/L | | ND | <0.3 | |
| | | | BS | mg/L | 15.00 | 97.0 % | 75-125 | |
| | | | BSD | mg/L | 15.00 | 90.5 % | 75-125 | |
| | | | BSRPD | mg/L | 15.00 | 6.9% | ≤23.0 | |
| | 5310C | 09/20/17:214222AMM | CCV | ppm | 15.00 | 102 % | 67-122 | |
| | | | CCV | ppm | 15.00 | 104 % | 67-122 | |
| Endothall | 548.1 | 09/19/17:211274SG | Blank | ug/L | | ND | <40 | |
| | | | LCS | ug/L | 66.67 | 91.2 % | 30-96 | |
| | | | MS | ug/L | 66.67 | 15.3 % | 15-87 | |
| | | (STK1751650-001) | MSD | ug/L | 66.67 | 30.5 % | 15-87 | |
| | | | MSRPD | ug/L | 66.67 | 10 | ≤40 | |
| | 548.1 | 09/22/17:214244SG | CCV | ug/L | 1000 | 85.8 % | 70-130 | |
| | | | CCV | ug/L | 2500 | 107 % | 70-130 | |
| Diquat Dibromide | 549 | 09/19/17:211268SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 39.2 % | 34-114 | |
| | | | MS | ug/L | 20.00 | 35.6 % | 0-86 | |
| | | (SP 1711393-001) | MSD | ug/L | 20.00 | 57.2 % | 0-86 | |
| | | | MSRPD | ug/L | 20.00 | 4.3 | ≤2 | 435 |
| | 549.2 | 09/26/17:214477SG | CCV | ug/L | 1000 | 100 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 116 % | 80-120 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,3-Dibromopropionic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | 5.000 | 81.6 % | 70-130 | |
| | | | LCS | ug/L | 5.000 | 94.1 % | 70-130 | |
| | | | MS | ug/L | 5.000 | 89.9 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 5.000 | 95.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 0.29 | ≤1 | |
| Dibromoacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 85.7 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 79.7 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 89.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.8% | ≤20.0 | |
| Dichloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 87.3 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 84.2 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 93.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.5% | ≤20.0 | |
| Monobromoacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 77.5 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 74.8 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 80.6 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 7.1% | ≤20.0 | |
| Monochloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 10.00 | 76.4 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 77.2 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 82.8 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 0.57 | ≤2 | |
| Trichloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 80.0 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 75.6 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 84.8 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.4% | ≤20.0 | |
| 2,3-Dibromopropionic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 50.00 | 112 % | 70-130 | |
| | | | CCV | ug/L | 75.00 | 135 % | 70-130 | 362 |
| Dibromoacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 112 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 122 % | 70-130 | |
| Dichloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 119 % | 70-130 | |
| Monobromoacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 107 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 107 % | 70-130 | |
| Monochloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 109 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 107 % | 70-130 | |
| Trichloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 106 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 109 % | 70-130 | |
| Chlordane | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.1 | |
| PCB 1016 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1221 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1232 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1242 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1248 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1254 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1260 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| Tetrachloro-m-xylene | 608/8081 | 09/18/17:211160caa | Blank | ug/L | 0.5005 | 47.8 % | 15-143 | |
| | | | LCS | ug/L | 0.5005 | 38.0 % | 15-143 | |
| | | | BS | ug/L | 0.5005 | 57.7 % | 26-141 | |
| | | | BSD | ug/L | 0.5005 | 28.1 % | 26-141 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Tetrachloro-m-xylene | 608/8081 | 09/18/17:211160caa | BSRPD | ug/L | 0.5005 | 0.15 | ≤0.05 | 410 |
| | 608/8081 | 09/22/17:214242SBL | CCV | ug/L | 100.1 | 96.4 % | 85-115 | |
| | | | CCV | ug/L | 50.05 | 87.9 % | 85-115 | |
| | | | CCV | ug/L | 100.1 | 89.3 % | 85-115 | |
| Toxaphene | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| 1,1,1-Trichloroethane(TCA) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 110 % | 66-191 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 66-191 | |
| | | | MSRPD | ug/L | 10.00 | 7.2% | ≤21 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 86.1 % | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 30-180 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 30-180 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤19 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 113 % | 60-140 | |
| 1,1,2-Trichloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 104 % | 50-146 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 110 % | 50-146 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 99.7 % | 71-129 | |
| 1,1-Dichloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 99.6 % | 63-159 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 100 % | 63-159 | |
| | | | MSRPD | ug/L | 10.00 | 0.9% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 86.9 % | 72-128 | |
| 1,1-Dichloroethylene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 67.4 % | 0-279 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 66.2 % | 0-279 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤36 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 56.0 % | 51-150 | |
| 1,2-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 57-153 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 135 % | 57-153 | |
| | | | MSRPD | ug/L | 10.00 | 3.3% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 122 % | 63-137 | |
| 1,2-Dichloroethane (EDC) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 56-158 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 122 % | 56-158 | |
| | | | MSRPD | ug/L | 10.00 | 3.8% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 114 % | 68-132 | |
| 1,2-Dichloropropane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 55-152 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 117 % | 55-152 | |
| | | | MSRPD | ug/L | 10.00 | 4.2% | ≤23 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 105 % | 34-166 | |
| 1,3-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 136 % | 53-159 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 140 % | 53-159 | |
| | | | MSRPD | ug/L | 10.00 | 2.8% | ≤28 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 127 % | 73-127 | |
| 1,4-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 53-161 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 143 % | 53-161 | |
| | | | MSRPD | ug/L | 10.00 | 3.7% | ≤27 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,4-Dichlorobenzene | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 128 % | 63-137 | |
| 2-Butanone (MEK) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <40 | |
| | | | MS | ug/L | 100.0 | 90.4 % | 0-211 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 99.7 % | 0-211 | |
| | | | MSRPD | ug/L | 10.00 | 9.4 | ≤40 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 93.0 % | 20-230 | |
| 2-Chloroethylvinyl ether | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1 | |
| | | | MS | ug/L | 100.0 | 63.4 % | 0-11 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 67.7 % | 0-11 | 435 |
| | | | MSRPD | ug/L | 10.00 | 6.5% | ≤3 | 435 |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 73.9 % | 10-224 | |
| 2-Hexanone | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <30 | |
| | | | MS | ug/L | 100.0 | 88.0 % | 0-190 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 94.7 % | 0-190 | |
| | | | MSRPD | ug/L | 10.00 | 6.7 | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 101 % | 20-283 | |
| 4-Bromofluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 102 % | 70-161 | |
| | | | MS | ug/L | 10.00 | 105 % | 58-151 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 104 % | 58-151 | |
| | | | MSRPD | ug/L | 10.00 | 0.7% | ≤14 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <30 | |
| | | | MS | ug/L | 100.0 | 93.3 % | 0-194 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 94.5 % | 0-194 | |
| | | | MSRPD | ug/L | 10.00 | 1.2 | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 106 % | 20-233 | |
| Acetone | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <25 | |
| | | | MS | ug/L | 100.0 | 103 % | 0-270 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 111 % | 0-270 | |
| | | | MSRPD | ug/L | 10.00 | 8.1 | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 129 % | 20-367 | |
| Acrolein | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 100.0 | 104 % | 0-171 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 102 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 1.5% | ≤50 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 100.0 | 105 % | 20-209 | |
| Acrylonitrile | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <2 | |
| | | | MS | ug/L | 100.0 | 284 % | 0-244 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 304 % | 0-244 | 435 |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤47 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 100.0 | 309 % | 20-278 | 360 |
| Benzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 103 % | 65-155 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 111 % | 65-155 | |
| | | | MSRPD | ug/L | 10.00 | 7.1% | ≤21 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 91.6 % | 64-136 | |
| Bromodichloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 62-150 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 115 % | 62-150 | |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 108 % | 65-135 | |
| Bromoform | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 64-150 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 132 % | 64-150 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Bromoform | 624 | 09/14/17:211554VRG | MSRPD | ug/L | 10.00 | 6.7% | ≤16 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 129 % | 71-129 | |
| Bromomethane (Methyl Bromide) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 49.8 % | 48-196 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 52.0 % | 48-196 | |
| | | | MSRPD | ug/L | 10.00 | 4.3% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 169 % | 14-186 | |
| Carbon Disulfide | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 100.0 | 97.2 % | 0-230 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 102 % | 0-230 | |
| | | | MSRPD | ug/L | 10.00 | 5.0% | ≤72 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 71.1 % | 20-242 | |
| Carbon Tetrachloride | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 69-206 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 139 % | 69-206 | |
| | | | MSRPD | ug/L | 10.00 | 9.5% | ≤19 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 94.2 % | 73-127 | |
| Chlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 122 % | 69-152 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 131 % | 69-152 | |
| | | | MSRPD | ug/L | 10.00 | 7.7% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 112 % | 66-134 | |
| Chloroethane (Ethyl Chloride) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 36.8 % | 53-214 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 38.1 % | 53-214 | 435 |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤32 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 115 % | 38-162 | |
| Chloroform | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 50.00 | 27.1 % | 55-155 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 50.00 | 22.0 % | 55-155 | 435 |
| | | | MSRPD | ug/L | 10.00 | 4.1% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.5 % | 67-133 | |
| Chloromethane(Methyl Chloride) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 40.4 % | 33-202 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 43.3 % | 33-202 | |
| | | | MSRPD | ug/L | 10.00 | 7.0% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 141 % | 0-204 | |
| cis-1,3-Dichloropropene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 59-142 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 122 % | 59-142 | |
| | | | MSRPD | ug/L | 10.00 | 4.6% | ≤23 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 111 % | 24-176 | |
| Dibromochloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 53-151 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 116 % | 53-151 | |
| | | | MSRPD | ug/L | 10.00 | 6.5% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 107 % | 67-133 | |
| Dichloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <2 | |
| | | | MS | ug/L | 10.00 | 93.5 % | 24-207 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 100 % | 24-207 | |
| | | | MSRPD | ug/L | 10.00 | 0.67 | ≤2 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 85.2 % | 60-139 | |
| Ethylbenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 140 % | 45-194 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Ethylbenzene | 624 | (CH 1777935-001) | MSD | ug/L | 10.00 | 138 % | 45-194 | |
| | | | MSRPD | ug/L | 10.00 | 1.2% | ≤31 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 118 % | 59-141 | |
| Fluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 100 % | 72-139 | |
| | | | MS | ug/L | 10.00 | 101 % | 90-121 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 101 % | 90-121 | |
| | | | MSRPD | ug/L | 10.00 | 0.02% | ≤3 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| Freon-11 | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 40.00 | 40.7 % | 57-259 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 41.9 % | 57-259 | 435 |
| | | | MSRPD | ug/L | 10.00 | 3.1% | ≤27 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 112 % | 48-152 | |
| Methyl tert-Butyl Ether (MTBE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 10.00 | 102 % | 26-210 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 95.2 % | 26-210 | |
| | | | MSRPD | ug/L | 10.00 | 0.64 | ≤5 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 90.3 % | 63-178 | |
| Pentafluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 111 % | 59-151 | |
| | | | MS | ug/L | 10.00 | 106 % | 74-148 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 107 % | 74-148 | |
| | | | MSRPD | ug/L | 10.00 | 1.5% | ≤10 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| Styrene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 6-195 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 132 % | 6-195 | |
| | | | MSRPD | ug/L | 10.00 | 2.3% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 121 % | 67-158 | |
| Tetrachloroethylene (PCE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 133 % | 63-171 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 140 % | 63-171 | |
| | | | MSRPD | ug/L | 10.00 | 4.5% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 106 % | 73-127 | |
| Toluene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 65-160 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 119 % | 65-160 | |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.0 % | 74-126 | |
| trans-1,2-Dichloroethylene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 92.0 % | 68-179 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 97.3 % | 68-179 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤51 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 80.5 % | 69-131 | |
| trans-1,3-Dichloropropene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 102 % | 55-148 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 108 % | 55-148 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.1 % | 50-150 | |
| Trichloroethylene (TCE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 54-178 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 54-178 | |
| | | | MSRPD | ug/L | 10.00 | 4.4% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 95.8 % | 66-134 | |
| Vinyl Acetate | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <10 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Vinyl Acetate | 624 | | MS | ug/L | 100.0 | 86.6 % | 0-331 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 91.8 % | 0-331 | |
| | | | MSRPD | ug/L | 10.00 | 5.8% | ≤44 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 101 % | 20-393 | |
| Vinyl Chloride | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 45.0 % | 32-217 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 48.8 % | 32-217 | |
| | | | MSRPD | ug/L | 10.00 | 8.0% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 141 % | 4-196 | |
| Xylenes m,p | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 20.00 | 140 % | 50-181 | |
| | | (CH 1777935-001) | MSD | ug/L | 20.00 | 139 % | 50-181 | |
| | | | MSRPD | ug/L | 10.00 | 0.9% | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 20.00 | 118 % | 45-170 | |
| Xylenes o | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 137 % | 38-182 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 136 % | 38-182 | |
| | | | MSRPD | ug/L | 10.00 | 0.6% | ≤29 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 121 % | 63-163 | |
| 1,2,4-Trichlorobenzene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 80.5 % | 38-105 | |
| | | | BS | ug/L | 20.00 | 76.8 % | 21-110 | |
| | | | BSD | ug/L | 20.00 | 78.2 % | 21-110 | |
| | | | BSRPD | ug/L | 20.00 | 1.7% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| 1,2-Dichlorobenzene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 80.8 % | 48-97 | |
| | | | BS | ug/L | 20.00 | 79.7 % | 16-115 | |
| | | | BSD | ug/L | 20.00 | 80.4 % | 16-115 | |
| | | | BSRPD | ug/L | 20.00 | 0.9% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| 1,2-Diphenylhydrazine | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 89.6 % | 61-111 | |
| | | | BS | ug/L | 20.00 | 88.9 % | 39-121 | |
| | | | BSD | ug/L | 20.00 | 81.9 % | 39-121 | |
| | | | BSRPD | ug/L | 20.00 | 8.1% | ≤30 | |
| 1,3-Dichlorobenzene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 78.1 % | 39-94 | |
| | | | BS | ug/L | 20.00 | 75.2 % | 11-111 | |
| | | | BSD | ug/L | 20.00 | 77.9 % | 11-111 | |
| | | | BSRPD | ug/L | 20.00 | 3.5% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| 1,4-Dichlorobenzene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 78.0 % | 42-95 | |
| | | | BS | ug/L | 20.00 | 76.6 % | 13-111 | |
| | | | BSD | ug/L | 20.00 | 78.4 % | 13-111 | |
| | | | BSRPD | ug/L | 20.00 | 2.4% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| 2,4,5-Trichlorophenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 108 % | 70-122 | |
| | | | BS | ug/L | 20.00 | 113 % | 36-148 | |
| | | | BSD | ug/L | 20.00 | 101 % | 36-148 | |
| | | | BSRPD | ug/L | 20.00 | 10.6% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 122 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,4,6-Tribromophenol | 625 | 09/19/17:211226caa | Blank | ug/L | 20.00 | 63.8 % | 34-116 | |
| | | | LCS | ug/L | 20.00 | 73.2 % | 34-116 | |
| | | | BS | ug/L | 20.00 | 75.2 % | 34-116 | |
| | | | BSD | ug/L | 20.00 | 67.8 % | 34-116 | |
| | | | BSRPD | ug/L | 20.00 | 10.3% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 98.2 % | 80-120 | |
| 2,4,6-Trichlorophenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.4 % | 65-115 | |
| | | | BS | ug/L | 20.00 | 93.2 % | 38-136 | |
| | | | BSD | ug/L | 20.00 | 85.6 % | 38-136 | |
| | | | BSRPD | ug/L | 20.00 | 8.5% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| 2,4-Dichlorophenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 84.7 % | 68-117 | |
| | | | BS | ug/L | 20.00 | 87.8 % | 37-131 | |
| | | | BSD | ug/L | 20.00 | 86.1 % | 37-131 | |
| | | | BSRPD | ug/L | 20.00 | 1.9% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| 2,4-Dimethylphenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 68.0 % | 54-97 | |
| | | | BS | ug/L | 20.00 | 71.1 % | 23-118 | |
| | | | BSD | ug/L | 20.00 | 63.7 % | 23-118 | |
| | | | BSRPD | ug/L | 20.00 | 11.1% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 93.7 % | 80-120 | |
| 2,4-Dinitrophenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 81.9 % | 37-112 | |
| | | | BS | ug/L | 20.00 | 115 % | 15-146 | |
| | | | BSD | ug/L | 20.00 | 89.3 % | 15-146 | |
| | | | BSRPD | ug/L | 20.00 | 5.1 | ≤5 | 410 |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 117 % | 80-120 | |
| 2,4-Dinitrotoluene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.2 % | 71-114 | |
| | | | BS | ug/L | 20.00 | 103 % | 49-135 | |
| | | | BSD | ug/L | 20.00 | 91.6 % | 49-135 | |
| | | | BSRPD | ug/L | 20.00 | 11.3% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| 2,6-Dinitrotoluene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 102 % | 72-119 | |
| | | | BS | ug/L | 20.00 | 105 % | 43-140 | |
| | | | BSD | ug/L | 20.00 | 96.8 % | 43-140 | |
| | | | BSRPD | ug/L | 20.00 | 8.4% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 116 % | 80-120 | |
| 2-Chlorophenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 84.0 % | 63-114 | |
| | | | BS | ug/L | 20.00 | 86.2 % | 34-124 | |
| | | | BSD | ug/L | 20.00 | 81.6 % | 34-124 | |
| | | | BSRPD | ug/L | 20.00 | 5.5% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| 2-Fluorobiphenyl | 625 | 09/19/17:211226caa | Blank | ug/L | 10.00 | 56.5 % | 29-98 | |
| | | | LCS | ug/L | 10.00 | 62.0 % | 29-98 | |
| | | | BS | ug/L | 10.00 | 58.8 % | 29-98 | |
| | | | BSD | ug/L | 10.00 | 56.6 % | 29-98 | |
| | | | BSRPD | ug/L | 20.00 | 3.8% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 10.00 | 99.6 % | 80-120 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2-Fluorophenol | 625 | 09/19/17:211226caa | Blank | ug/L | 20.00 | 65.7 % | 23-105 | |
| | | | LCS | ug/L | 20.00 | 66.4 % | 23-105 | |
| | | | BS | ug/L | 20.00 | 62.0 % | 23-105 | |
| | | | BSD | ug/L | 20.00 | 65.2 % | 23-105 | |
| | | | BSRPD | ug/L | 20.00 | 5.0% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| 2-Nitrophenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 92.8 % | 59-125 | |
| | | | BS | ug/L | 20.00 | 94.9 % | 39-135 | |
| | | | BSD | ug/L | 20.00 | 89.0 % | 39-135 | |
| | | | BSRPD | ug/L | 20.00 | 6.4% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| 3,3-Dichlorobenzidine | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 54.4 % | 52-119 | |
| | | | BS | ug/L | 20.00 | 68.9 % | 3-125 | |
| | | | BSD | ug/L | 20.00 | 59.7 % | 3-125 | |
| | | | BSRPD | ug/L | 20.00 | 14.4% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 115 % | 80-120 | |
| 4,6-Dinitro-2-methylphenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.4 % | 35-129 | |
| | | | BS | ug/L | 20.00 | 105 % | 36-137 | |
| | | | BSD | ug/L | 20.00 | 88.5 % | 36-137 | |
| | | | BSRPD | ug/L | 20.00 | 17.4% | ≤30 | |
| 4,6-Dinitro-o-cresol | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| 4-Bromophenylphenylether | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 89.1 % | 66-111 | |
| | | | BS | ug/L | 20.00 | 87.9 % | 41-123 | |
| | | | BSD | ug/L | 20.00 | 81.1 % | 41-123 | |
| | | | BSRPD | ug/L | 20.00 | 8.1% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| 4-Nitrophenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 101 % | 57-144 | |
| | | | BS | ug/L | 20.00 | 135 % | 11-199 | |
| | | | BSD | ug/L | 20.00 | 109 % | 11-199 | |
| | | | BSRPD | ug/L | 20.00 | 21.6% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 131 % | 80-120 | 360 |
| Acenaphthene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.6 % | 60-106 | |
| | | | BS | ug/L | 20.00 | 85.3 % | 33-122 | |
| | | | BSD | ug/L | 20.00 | 81.8 % | 33-122 | |
| | | | BSRPD | ug/L | 20.00 | 4.2% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Acenaphthylene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 89.5 % | 63-109 | |
| | | | BS | ug/L | 20.00 | 87.8 % | 34-126 | |
| | | | BSD | ug/L | 20.00 | 84.3 % | 34-126 | |
| | | | BSRPD | ug/L | 20.00 | 4.1% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Anthracene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.4 % | 73-108 | |
| | | | BS | ug/L | 20.00 | 93.2 % | 44-122 | |
| | | | BSD | ug/L | 20.00 | 85.6 % | 44-122 | |
| | | | BSRPD | ug/L | 20.00 | 8.6% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Azobenzene | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Benzidine | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 1.2 % | 0-59 | |
| | | | BS | ug/L | 20.00 | 2.6 % | 0-115 | |
| | | | BSD | ug/L | 20.00 | 1.5 % | 0-115 | |
| | | | BSRPD | ug/L | 20.00 | 0.22 | ≤2 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 105 % | 70-130 | |
| Benzo(a)anthracene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 95.1 % | 80-106 | |
| | | | BS | ug/L | 20.00 | 99.7 % | 42-123 | |
| | | | BSD | ug/L | 20.00 | 88.8 % | 42-123 | |
| | | | BSRPD | ug/L | 20.00 | 11.6% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Benzo(a)pyrene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.8 % | 77-105 | |
| | | | BS | ug/L | 20.00 | 96.8 % | 41-121 | |
| | | | BSD | ug/L | 20.00 | 85.5 % | 41-121 | |
| | | | BSRPD | ug/L | 20.00 | 12.3% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Benzo(b)fluoranthene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 94.3 % | 80-104 | |
| | | | BS | ug/L | 20.00 | 97.8 % | 35-135 | |
| | | | BSD | ug/L | 20.00 | 90.5 % | 35-135 | |
| | | | BSRPD | ug/L | 20.00 | 7.8% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| Benzo(g,h,i)perylene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 94.7 % | 49-128 | |
| | | | BS | ug/L | 20.00 | 115 % | 38-118 | |
| | | | BSD | ug/L | 20.00 | 85.4 % | 38-118 | |
| | | | BSRPD | ug/L | 20.00 | 29.7% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 125 % | 80-120 | 360 |
| Benzo(k)fluoranthene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.8 % | 71-113 | |
| | | | BS | ug/L | 20.00 | 95.0 % | 40-124 | |
| | | | BSD | ug/L | 20.00 | 89.5 % | 40-124 | |
| | | | BSRPD | ug/L | 20.00 | 6.0% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 103 % | 80-120 | |
| bis(2-Chloroethoxy)methane | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.4 % | 65-111 | |
| | | | BS | ug/L | 20.00 | 87.5 % | 32-128 | |
| | | | BSD | ug/L | 20.00 | 82.2 % | 32-128 | |
| | | | BSRPD | ug/L | 20.00 | 6.2% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| bis(2-Chloroethyl)ether | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.8 % | 68-110 | |
| | | | BS | ug/L | 20.00 | 87.0 % | 0-201 | |
| | | | BSD | ug/L | 20.00 | 85.1 % | 0-201 | |
| | | | BSRPD | ug/L | 20.00 | 2.2% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| bis(2-Chloroisopropyl)ether | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 75.0 % | 48-105 | |
| | | | BS | ug/L | 20.00 | 74.0 % | 27-116 | |
| | | | BSD | ug/L | 20.00 | 71.6 % | 27-116 | |
| | | | BSRPD | ug/L | 20.00 | 3.3% | ≤30 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| bis(2-Chloroisopropyl)ether | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 91.0 % | 80-120 | |
| bis(2-Ethylhexyl)phthalate | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 105 % | 69-116 | |
| | | | BS | ug/L | 20.00 | 90.1 % | 18-137 | |
| | | | BSD | ug/L | 20.00 | 84.4 % | 18-137 | |
| | | | BSRPD | ug/L | 20.00 | 6.5% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 93.6 % | 80-120 | |
| Butylbenzylphthalate | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 84.0 % | 14-112 | |
| | | | BS | ug/L | 20.00 | 71.2 % | 18-136 | |
| | | | BSD | ug/L | 20.00 | 70.0 % | 18-136 | |
| | | | BSRPD | ug/L | 20.00 | 1.6% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| Chloronaphthalene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 86.5 % | 56-105 | |
| | | | BS | ug/L | 20.00 | 83.1 % | 32-119 | |
| | | | BSD | ug/L | 20.00 | 81.2 % | 32-119 | |
| | | | BSRPD | ug/L | 20.00 | 2.3% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Chlorophenylphenylether | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.1 % | 62-111 | |
| | | | BS | ug/L | 20.00 | 84.1 % | 40-119 | |
| | | | BSD | ug/L | 20.00 | 78.5 % | 40-119 | |
| | | | BSRPD | ug/L | 20.00 | 6.9% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 99.4 % | 80-120 | |
| Chrysene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 95.9 % | 79-107 | |
| | | | BS | ug/L | 20.00 | 101 % | 39-123 | |
| | | | BSD | ug/L | 20.00 | 89.0 % | 39-123 | |
| | | | BSRPD | ug/L | 20.00 | 12.7% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Dibenzo(a,h)anthracene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 20.00 | 97.3 % | 63-133 | |
| | | | BS | ug/L | 20.00 | 125 % | 34-138 | |
| | | | BSD | ug/L | 20.00 | 92.3 % | 34-138 | |
| | | | BSRPD | ug/L | 20.00 | 29.7% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 130 % | 80-120 | 360 |
| Diethylphthalate | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 50.6 % | 0-87 | |
| | | | BS | ug/L | 20.00 | 53.4 % | 0-147 | |
| | | | BSD | ug/L | 20.00 | 50.3 % | 0-147 | |
| | | | BSRPD | ug/L | 20.00 | 6.0% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 102 % | 80-120 | |
| Dimethylphthalate | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 48.4 % | 0-56 | |
| | | | BS | ug/L | 20.00 | 51.8 % | 0-137 | |
| | | | BSD | ug/L | 20.00 | 48.8 % | 0-137 | |
| | | | BSRPD | ug/L | 20.00 | 6.0% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 103 % | 80-120 | |
| Di-n-butylphthalate | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 74.9 % | 20-120 | |
| | | | BS | ug/L | 20.00 | 74.8 % | 26-141 | |
| | | | BSD | ug/L | 20.00 | 68.8 % | 26-141 | |
| | | | BSRPD | ug/L | 20.00 | 8.5% | ≤30 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Di-n-butylphthalate | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| Di-n-octylphthalate | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 110 % | 55-126 | |
| | | | BS | ug/L | 20.00 | 79.2 % | 29-144 | |
| | | | BSD | ug/L | 20.00 | 90.3 % | 29-144 | |
| | | | BSRPD | ug/L | 20.00 | 13.2% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 87.8 % | 80-120 | |
| Fluoranthene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 89.6 % | 73-111 | |
| | | | BS | ug/L | 20.00 | 95.2 % | 48-126 | |
| | | | BSD | ug/L | 20.00 | 86.0 % | 48-126 | |
| | | | BSRPD | ug/L | 20.00 | 10.2% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Fluorene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.0 % | 64-111 | |
| | | | BS | ug/L | 20.00 | 88.8 % | 38-123 | |
| | | | BSD | ug/L | 20.00 | 83.4 % | 38-123 | |
| | | | BSRPD | ug/L | 20.00 | 6.2% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Hexachlorobenzene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.4 % | 66-108 | |
| | | | BS | ug/L | 20.00 | 86.2 % | 40-115 | |
| | | | BSD | ug/L | 20.00 | 81.5 % | 40-115 | |
| | | | BSRPD | ug/L | 20.00 | 5.5% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 102 % | 80-120 | |
| Hexachlorobutadiene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 67.8 % | 4-104 | |
| | | | BS | ug/L | 20.00 | 65.4 % | 4-101 | |
| | | | BSD | ug/L | 20.00 | 67.4 % | 4-101 | |
| | | | BSRPD | ug/L | 20.00 | 3.0% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 103 % | 80-120 | |
| Hexachlorocyclopentadiene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 35.1 % | 0-73 | |
| | | | BS | ug/L | 20.00 | 48.4 % | 4-44 | 436 |
| | | | BSD | ug/L | 20.00 | 46.5 % | 4-44 | 436 |
| | | | BSRPD | ug/L | 20.00 | 4.0% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 120 % | 80-120 | |
| Hexachloroethane | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 74.4 % | 16-97 | |
| | | | BS | ug/L | 20.00 | 73.9 % | 0-109 | |
| | | | BSD | ug/L | 20.00 | 77.1 % | 0-109 | |
| | | | BSRPD | ug/L | 20.00 | 4.3% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Indeno(1,2,3-c,d)pyrene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 20.00 | 94.7 % | 58-129 | |
| | | | BS | ug/L | 20.00 | 123 % | 26-146 | |
| | | | BSD | ug/L | 20.00 | 91.7 % | 26-146 | |
| | | | BSRPD | ug/L | 20.00 | 29.4% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 133 % | 80-120 | 360 |
| Isophorone | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 94.0 % | 63-107 | |
| | | | BS | ug/L | 20.00 | 95.0 % | 35-124 | |
| | | | BSD | ug/L | 20.00 | 88.0 % | 35-124 | |
| | | | BSRPD | ug/L | 20.00 | 7.7% | ≤30 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Isophorone | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Naphthalene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 85.5 % | 61-104 | |
| | | | BS | ug/L | 20.00 | 81.3 % | 28-122 | |
| | | | BSD | ug/L | 20.00 | 80.8 % | 28-122 | |
| | | | BSRPD | ug/L | 20.00 | 0.6% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Nitrobenzene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 86.4 % | 62-104 | |
| | | | BS | ug/L | 20.00 | 85.1 % | 49-108 | |
| | | | BSD | ug/L | 20.00 | 82.1 % | 49-108 | |
| | | | BSRPD | ug/L | 20.00 | 3.6% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Nitrobenzene-d5 | 625 | 09/19/17:211226caa | Blank | ug/L | 10.00 | 60.8 % | 23-104 | |
| | | | LCS | ug/L | 10.00 | 62.1 % | 23-104 | |
| | | | BS | ug/L | 10.00 | 60.7 % | 23-104 | |
| | | | BSD | ug/L | 10.00 | 58.9 % | 23-104 | |
| | | | BSRPD | ug/L | 20.00 | 3.0% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 10.00 | 103 % | 80-120 | |
| N-Nitrosodimethylamine | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 87.8 % | 60-117 | |
| | | | BS | ug/L | 20.00 | 81.1 % | 23-129 | |
| | | | BSD | ug/L | 20.00 | 91.4 % | 23-129 | |
| | | | BSRPD | ug/L | 20.00 | 11.9% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 120 % | 80-120 | |
| N-Nitrosodi-N-propylamine | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.4 % | 61-106 | |
| | | | BS | ug/L | 20.00 | 87.5 % | 30-124 | |
| | | | BSD | ug/L | 20.00 | 81.4 % | 30-124 | |
| | | | BSRPD | ug/L | 20.00 | 7.2% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| N-Nitrosodiphenylamine | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 54.2 % | 9-136 | |
| | | | BS | ug/L | 20.00 | 56.4 % | 34-127 | |
| | | | BSD | ug/L | 20.00 | 51.6 % | 34-127 | |
| | | | BSRPD | ug/L | 20.00 | 8.8% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 87.6 % | 80-120 | |
| p-Chloro-m-cresol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 99.4 % | 65-118 | |
| | | | BS | ug/L | 20.00 | 103 % | 35-142 | |
| | | | BSD | ug/L | 20.00 | 91.3 % | 35-142 | |
| | | | BSRPD | ug/L | 20.00 | 12.0% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 118 % | 80-120 | |
| Pentachlorophenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 89.7 % | 51-131 | |
| | | | BS | ug/L | 20.00 | 105 % | 22-172 | |
| | | | BSD | ug/L | 20.00 | 85.9 % | 22-172 | |
| | | | BSRPD | ug/L | 20.00 | 20.1% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Phenanthrene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.7 % | 71-106 | |
| | | | BS | ug/L | 20.00 | 90.1 % | 44-120 | |
| | | | BSD | ug/L | 20.00 | 82.8 % | 44-120 | |
| | | | BSRPD | ug/L | 20.00 | 8.5% | ≤30 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Phenanthrene | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| Phenol | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 83.8 % | 48-134 | |
| | | | BS | ug/L | 20.00 | 87.1 % | 28-130 | |
| | | | BSD | ug/L | 20.00 | 86.7 % | 28-130 | |
| | | | BSRPD | ug/L | 20.00 | 0.5% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| Phenol-d6 | 625 | 09/19/17:211226caa | Blank | ug/L | 20.00 | 64.9 % | 26-102 | |
| | | | LCS | ug/L | 20.00 | 63.9 % | 26-102 | |
| | | | BS | ug/L | 20.00 | 65.9 % | 26-102 | |
| | | | BSD | ug/L | 20.00 | 65.0 % | 26-102 | |
| | | | BSRPD | ug/L | 20.00 | 1.4% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| p-Terphenyl-d14 | 625 | 09/19/17:211226caa | Blank | ug/L | 10.00 | 61.5 % | 29-93 | |
| | | | LCS | ug/L | 10.00 | 74.9 % | 29-93 | |
| | | | BS | ug/L | 10.00 | 62.8 % | 29-93 | |
| | | | BSD | ug/L | 10.00 | 60.3 % | 29-93 | |
| | | | BSRPD | ug/L | 20.00 | 3.9% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 10.00 | 93.4 % | 80-120 | |
| Pyrene | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 110 % | 81-101 | 310 |
| | | | BS | ug/L | 20.00 | 90.4 % | 42-120 | |
| | | | BSD | ug/L | 20.00 | 88.5 % | 42-120 | |
| | | | BSRPD | ug/L | 20.00 | 2.2% | ≤30 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| Pyridine | 625 | 09/19/17:211226caa | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 20.00 | 8.6 % | 0-78 | |
| | | | BS | ug/L | 20.00 | 11.9 % | 0-99 | |
| | | | BSD | ug/L | 20.00 | 32.0 % | 0-99 | |
| | | | BSRPD | ug/L | 20.00 | 4.0 | ≤10 | |
| | 625 | 09/22/17:214390SBL | CCV | mg/L | 20.00 | 120 % | 80-120 | |
| 2,4`-DDD | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 129 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| 2,4`-DDE | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 119 % | 70-130 | |
| 2,4`-DDT | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 129 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| Aldrin | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 83.1 % | 0-131 | |
| | | | BS | ug/L | 0.1000 | 128 % | 4-108 | 436 |
| | | | BSD | ug/L | 0.1000 | 112 % | 4-108 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 13.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 122 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| Alpha BHC | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 77.7 % | 9-125 | |
| | | | BS | ug/L | 0.1000 | 84.6 % | 17-100 | |
| | | | BSD | ug/L | 0.1000 | 80.7 % | 17-100 | |
| | | | BSRPD | ug/L | 0.1000 | 4.7% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 106 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| alpha-Chlordane | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 94.5 % | 14-126 | |
| | | | BS | ug/L | 0.1000 | 135 % | 0-135 | |

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| alpha-Chlordane | 625P | 09/19/17:211227caa | BSD | ug/L | 0.1000 | 132 % | 0-135 | |
| | | | BSRPD | ug/L | 0.1000 | 2.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| Beta BHC | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 45.3 % | 13-125 | |
| | | | BS | ug/L | 0.1000 | 60.8 % | 16-123 | |
| | | | BSD | ug/L | 0.1000 | 44.6 % | 16-123 | |
| | | | BSRPD | ug/L | 0.1000 | 30.8% | ≤25 | 410 |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 70.3 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 82.3 % | 70-130 | |
| cis_Nonachlor | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 91.9 % | 10-138 | |
| | | | BS | ug/L | 0.1000 | 128 % | 0-120 | 436 |
| | | | BSD | ug/L | 0.1000 | 113 % | 0-120 | |
| | | | BSRPD | ug/L | 0.1000 | 12.0% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 110 % | 70-130 | |
| Delta BHC | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 49.7 % | 0-122 | |
| | | | BS | ug/L | 0.1000 | 63.4 % | 0-112 | |
| | | | BSD | ug/L | 0.1000 | 61.0 % | 0-112 | |
| | | | BSRPD | ug/L | 0.1000 | 3.9% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 76.0 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 87.5 % | 70-130 | |
| Dieldrin | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 92.4 % | 19-120 | |
| | | | BS | ug/L | 0.1000 | 133 % | 0-121 | 436 |
| | | | BSD | ug/L | 0.1000 | 126 % | 0-121 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 4.9% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 109 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| Endosulfan I | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 52.7 % | 18-129 | |
| | | | BS | ug/L | 0.1000 | 87.7 % | 0-154 | |
| | | | BSD | ug/L | 0.1000 | 91.5 % | 0-154 | |
| | | | BSRPD | ug/L | 0.1000 | 4.2% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 89.8 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 73.7 % | 70-130 | |
| Endosulfan II | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 99.9 % | 22-128 | |
| | | | BS | ug/L | 0.1000 | 123 % | 0-149 | |
| | | | BSD | ug/L | 0.1000 | 96.4 % | 0-149 | |
| | | | BSRPD | ug/L | 0.1000 | 24.2% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 93.9 % | 70-130 | |
| Endosulfan Sulfate | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 94.7 % | 32-106 | |
| | | | BS | ug/L | 0.1000 | 106 % | 4-140 | |
| | | | BSD | ug/L | 0.1000 | 121 % | 4-140 | |
| | | | BSRPD | ug/L | 0.1000 | 13.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 127 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| Endrin | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Endrin | 625P | 09/19/17:211227caa | LCS | ug/L | 0.1000 | 47.7 % | 0-130 | |
| | | | BS | ug/L | 0.1000 | 67.0 % | 7-101 | |
| | | | BSD | ug/L | 0.1000 | 92.2 % | 7-101 | |
| | | | BSRPD | ug/L | 0.1000 | 31.7% | ≤25 | 410 |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 129 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| Endrin Aldehyde | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 62.3 % | 16-135 | |
| | | | BS | ug/L | 0.1000 | 111 % | 0-148 | |
| | | | BSD | ug/L | 0.1000 | 129 % | 0-148 | |
| | | | BSRPD | ug/L | 0.1000 | 15.3% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 127 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| Endrin Ketone | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 93.6 % | 25-121 | |
| | | | BS | ug/L | 0.1000 | 87.3 % | 21-111 | |
| | | | BSD | ug/L | 0.1000 | 119 % | 21-111 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 30.7% | ≤25 | 410 |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 97.6 % | 70-130 | |
| gamma-Chlordane | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 96.0 % | 20-123 | |
| | | | BS | ug/L | 0.1000 | 133 % | 1-116 | 436 |
| | | | BSD | ug/L | 0.1000 | 132 % | 1-116 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 1.0% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 129 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 125 % | 70-130 | |
| Heptachlor | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 78.8 % | 19-119 | |
| | | | BS | ug/L | 0.1000 | 112 % | 13-100 | 436 |
| | | | BSD | ug/L | 0.1000 | 101 % | 13-100 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 10.3% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 118 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| Heptachlor Epoxide | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 91.4 % | 18-131 | |
| | | | BS | ug/L | 0.1000 | 142 % | 0-127 | 436 |
| | | | BSD | ug/L | 0.1000 | 130 % | 0-127 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 9.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 113 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 116 % | 70-130 | |
| Lindane | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 71.2 % | 22-181 | |
| | | | BS | ug/L | 0.1000 | 124 % | 0-234 | |
| | | | BSD | ug/L | 0.1000 | 96.2 % | 0-234 | |
| | | | BSRPD | ug/L | 0.1000 | 24.9% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 108 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 96.9 % | 70-130 | |
| Methoxychlor | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 84.1 % | 26-113 | |
| | | | BS | ug/L | 0.1000 | 91.6 % | 2-107 | |
| | | | BSD | ug/L | 0.1000 | 131 % | 2-107 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 35.3% | ≤25 | 410 |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Methoxychlor | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| o,p - DDD | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 97.3 % | 15-136 | |
| | | | BS | ug/L | 0.1000 | 122 % | 12-118 | 436 |
| | | | BSD | ug/L | 0.1000 | 135 % | 12-118 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 9.9% | ≤25 | |
| o,p - DDE | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 87.0 % | 23-124 | |
| | | | BS | ug/L | 0.1000 | 131 % | 0-108 | 436 |
| | | | BSD | ug/L | 0.1000 | 128 % | 0-108 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 2.2% | ≤25 | |
| o,p - DDT | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 108 % | 27-131 | |
| | | | BS | ug/L | 0.1000 | 119 % | 0-124 | |
| | | | BSD | ug/L | 0.1000 | 129 % | 0-124 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 7.7% | ≤25 | |
| p,p - DDD | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 112 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 97.7 % | 70-130 | |
| p,p - DDE | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 118 % | 70-130 | |
| p,p - DDT | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 111 % | 70-130 | |
| p,p`-DDD | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 87.5 % | 0-177 | |
| | | | BS | ug/L | 0.1000 | 129 % | 17-107 | 436 |
| | | | BSD | ug/L | 0.1000 | 125 % | 17-107 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 2.5% | ≤25 | |
| p,p`-DDE | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 81.6 % | 23-126 | |
| | | | BS | ug/L | 0.1000 | 124 % | 2-107 | 436 |
| | | | BSD | ug/L | 0.1000 | 119 % | 2-107 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 4.5% | ≤25 | |
| p,p`-DDT | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 75.9 % | 32-108 | |
| | | | BS | ug/L | 0.1000 | 88.1 % | 0-128 | |
| | | | BSD | ug/L | 0.1000 | 102 % | 0-128 | |
| | | | BSRPD | ug/L | 0.1000 | 14.6% | ≤25 | |
| Tetrachloro-m-xylene | 625P | 09/19/17:211227caa | Blank | ug/L | 0.1000 | 69.5 % | 26-90 | |
| | | | LCS | ug/L | 0.1000 | 61.5 % | 26-90 | |
| | | | BS | ug/L | 0.1000 | 71.0 % | 26-90 | |
| | | | BSD | ug/L | 0.1000 | 70.2 % | 26-90 | |
| | | | BSRPD | ug/L | 0.1000 | 1.1% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 120 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| trans-Nonachlor | 625P | 09/19/17:211227caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 82.4 % | 9-139 | |
| | | | BS | ug/L | 0.1000 | 128 % | 0-120 | 436 |
| | | | BSD | ug/L | 0.1000 | 134 % | 0-120 | 436 |
| | | | BSRPD | ug/L | 0.1000 | 4.8% | ≤25 | |
| | 625P | 09/21/17:214485SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| | |
|---|---|
| **Definition** | |
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |
| **Explanation** | |
| 310 | : LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 360 | : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 362 | : Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| 410 | : Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 436 | : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Boron | 200.7 | | MS | mg/L | 4.000 | 108 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 4.000 | 112 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 3.5% | ≤20.0 | |
| | | | MS | mg/L | 4.000 | 114 % | 75-125 | |
| | | (SP 1711160-007) | MSD | mg/L | 4.000 | 108 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 4.6% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 5.000 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.087 | 0.1 | |
| | | | CCV | ppm | 5.000 | 104 % | 90-110 | |
| | | | CCB | ppm | | 0.116 | 0.1 | 220 |
| | 200.7 | 09/17/17:213973AC | CCV | ppm | 5.000 | 98.8 % | 90-110 | |
| | | | CCB | ppm | | 0.041 | 0.1 | |
| | | | CCV | ppm | 5.000 | 100 % | 90-110 | |
| | | | CCB | ppm | | 0.039 | 0.1 | |
| Calcium | 200.7 | | MS | mg/L | 12.00 | 100 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 12.00 | 105 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.3% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 69.4 % | <¼ | |
| | | (SP 1711160-007) | MSD | mg/L | 12.00 | 78.9 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 0.9% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 25.00 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.007 | 1 | |
| | | | CCV | ppm | 25.00 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.006 | 1 | |
| | | | CCV | ppm | 25.00 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.008 | 1 | |
| Copper | 200.7 | | MS | ug/L | 800.0 | 111 % | 75-125 | |
| | | (VI 1744799-002) | MSD | ug/L | 800.0 | 113 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 1.9% | ≤20.0 | |
| | | | MS | ug/L | 800.0 | 116 % | 75-125 | |
| | | (SP 1711160-007) | MSD | ug/L | 800.0 | 108 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 7.2% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 1.000 | 103 % | 90-110 | |
| | | | CCB | ppm | | 0.0007 | 0.01 | |
| | | | CCV | ppm | 1.000 | 103 % | 90-110 | |
| | | | CCB | ppm | | 0.0009 | 0.01 | |
| | | | CCV | ppm | 1.000 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.0004 | 0.01 | |
| Iron | 200.7 | | MS | ug/L | 4000 | 108 % | 75-125 | |
| | | (VI 1744799-002) | MSD | ug/L | 4000 | 114 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 5.2% | ≤20.0 | |
| | | | MS | ug/L | 4000 | 109 % | 75-125 | |
| | | (SP 1711160-007) | MSD | ug/L | 4000 | 105 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 2.9% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 5.000 | 104 % | 90-110 | |
| | | | CCB | ppm | | 0.0064 | 0.03 | |
| | | | CCV | ppm | 5.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.0074 | 0.03 | |
| | | | CCV | ppm | 5.000 | 103 % | 90-110 | |
| | | | CCB | ppm | | 0.0060 | 0.03 | |
| Magnesium | 200.7 | | MS | mg/L | 12.00 | 105 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 12.00 | 108 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.6% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 84.3 % | 75-125 | |
| | | (SP 1711160-007) | MSD | mg/L | 12.00 | 78.9 % | 75-125 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Magnesium | 200.7 | 09/15/17:211114ac | MSRPD | mg/L | 4000 | 0.5% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 25.00 | 99.5 % | 90-110 | |
| | | | CCB | ppm | | 0.006 | 1 | |
| | | | CCV | ppm | 25.00 | 100 % | 90-110 | |
| | | | CCB | ppm | | 0.006 | 1 | |
| | | | CCV | ppm | 25.00 | 99.9 % | 90-110 | |
| | | | CCB | ppm | | 0.003 | 1 | |
| Manganese | 200.7 | | MS | ug/L | 800.0 | 109 % | 75-125 | |
| | | (VI 1744799-002) | MSD | ug/L | 800.0 | 112 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.2% | ≤20.0 | |
| | | | MS | ug/L | 800.0 | 109 % | 75-125 | |
| | | (SP 1711160-007) | MSD | ug/L | 800.0 | 103 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 4.7% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 1.000 | 100 % | 90-110 | |
| | | | CCB | ppm | | 0.0002 | 0.01 | |
| | | | CCV | ppm | 1.000 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.0003 | 0.01 | |
| | | | CCV | ppm | 1.000 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.0002 | 0.01 | |
| Potassium | 200.7 | | MS | mg/L | 12.00 | 113 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 12.00 | 115 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.8% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 136 % | 75-125 | 435 |
| | | (SP 1711160-007) | MSD | mg/L | 12.00 | 124 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 3.7% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 25.00 | 103 % | 90-110 | |
| | | | CCB | ppm | | -0.01 | 1 | |
| | | | CCV | ppm | 25.00 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.0006 | 1 | |
| | | | CCV | ppm | 25.00 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.004 | 1 | |
| Sodium | 200.7 | | MS | mg/L | 12.00 | 107 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 12.00 | 110 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 0.9% | ≤20.0 | |
| | | | MS | mg/L | 12.00 | 10.3 % | <¼ | |
| | | (SP 1711160-007) | MSD | mg/L | 12.00 | 1070 % | <¼ | |
| | | | MSRPD | mg/L | 4000 | 13.3% | ≤20.0 | |
| | 200.7 | 09/17/17:213973AC | CCV | ppm | 25.00 | 95.4 % | 90-110 | |
| | | | CCB | ppm | | -0.03 | 1 | |
| | | | CCV | ppm | 25.00 | 96.5 % | 90-110 | |
| | | | CCB | ppm | | -0.06 | 1 | |
| | | | CCV | ppm | 25.00 | 95.4 % | 90-110 | |
| | | | CCB | ppm | | -0.01 | 1 | |
| Zinc | 200.7 | | MS | ug/L | 800.0 | 109 % | 75-125 | |
| | | (VI 1744799-002) | MSD | ug/L | 800.0 | 112 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.0% | ≤20.0 | |
| | | | MS | ug/L | 800.0 | 108 % | 75-125 | |
| | | (SP 1711160-007) | MSD | ug/L | 800.0 | 103 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 4.2% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 1.000 | 99.5 % | 90-110 | |
| | | | CCB | ppm | | -0.0006 | 0.02 | |
| | | | CCV | ppm | 1.000 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.0006 | 0.02 | |
| | | | CCV | ppm | 1.000 | 101 % | 90-110 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Zinc | 200.7 | 09/15/17:213964AC | CCB | ppm | | 0.0005 | 0.02 | |
| Aluminum | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | -0.1 | 10 | |
| | | | CCV | ppb | 120.0 | 96.4 % | 90-110 | |
| | | | CCB | ppb | | 0.007 | 10 | |
| Antimony | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.17 | 1 | |
| | | | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.21 | 1 | |
| Arsenic | 200.8 | 09/20/17:214239AC | ICV | ppb | 120.0 | 96.9 % | 90-110 | |
| | | | ICB | ppb | | 0.02 | 2 | |
| | | | CCV | ppb | 120.0 | 97.9 % | 90-110 | |
| | | | CCB | ppb | | -0.06 | 2 | |
| Barium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.018 | 0.2 | |
| | | | CCV | ppb | 120.0 | 103 % | 90-110 | |
| | | | CCB | ppb | | 0.059 | 0.2 | |
| Beryllium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 111 % | 90-110 | 360 |
| | | | CCB | ppb | | -0.020 | 0.2 | |
| | | | CCV | ppb | 120.0 | 99.5 % | 90-110 | |
| | | | CCB | ppb | | -0.015 | 0.2 | |
| Cadmium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 110 % | 90-110 | |
| | | | CCB | ppb | | 0.006 | 0.2 | |
| | | | CCV | ppb | 120.0 | 107 % | 90-110 | |
| | | | CCB | ppb | | 0.031 | 0.2 | |
| Chromium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 108 % | 90-110 | |
| | | | CCB | ppb | | 0.006 | 1 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | -0.004 | 1 | |
| Copper | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 110 % | 90-110 | |
| | | | CCB | ppb | | 0.040 | 0.5 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.094 | 0.5 | |
| Lead | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | -0.043 | 0.5 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.029 | 0.5 | |
| Nickel | 200.8 | 09/20/17:214239AC | ICV | ppb | 120.0 | 99.8 % | 90-110 | |
| | | | ICB | ppb | | 0.02 | 1 | |
| | | | CCV | ppb | 120.0 | 99.4 % | 90-110 | |
| | | | CCB | ppb | | 0.008 | 1 | |
| Selenium | 200.8 | 09/20/17:214239AC | ICV | ppb | 120.0 | 99.2 % | 90-110 | |
| | | | ICB | ppb | | 0.08 | 1 | |
| | | | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.07 | 1 | |
| Silver | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.0040 | 0.25 | |
| | | | CCV | ppb | 120.0 | 100 % | 90-110 | |
| | | | CCB | ppb | | 0.0280 | 0.25 | |
| Thallium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.004 | 0.2 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.037 | 0.2 | |
| Mercury | 245.1 | 09/29/17:211748ac | Blank | ug/L | | ND | <0.01 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Mercury | 245.1 | 09/29/17:211748ac | LCS | ug/L | 0.2000 | 99.4 % | 85-115 | |
| | | | MS | ug/L | 0.2000 | 93.5 % | 75-125 | |
| | | (SP 1711091-001) | MSD | ug/L | 0.2000 | 95.8 % | 75-125 | |
| | | | MSRPD | ug/L | 0.2000 | 2.4% | ≤20 | |
| | 245.1 | 09/29/17:214696AC | CCV | ppt | 200.0 | 106 % | 90-110 | |
| | | | CCB | ppt | | -6.7 | 20 | |
| | | | CCV | ppt | 200.0 | 106 % | 90-110 | |
| | | | CCB | ppt | | -6.7 | 20 | |
| Aluminum | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 40.00 | 100 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 68.8 % | 75-125 | 435 |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 93.3 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 10.8% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 85.0 % | 75-125 | |
| Antimony | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 104 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 104 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 101 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.8% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 102 % | 75-125 | |
| Arsenic | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 88.3 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 87.9 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 0.4% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 88.3 % | 75-125 | |
| Barium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 111 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 110 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 5.1% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 109 % | 75-125 | |
| Beryllium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 98.4 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 87.4 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 89.1 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.0% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 88.3 % | 75-125 | |
| Cadmium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 114 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 101 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.5 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.1% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 99.1 % | 75-125 | |
| Chromium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.7 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 98.6 % | 75-125 | |
| Copper | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 97.3 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 95.7 % | 75-125 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Copper | 3010 | 09/18/17:211156amb | MSRPD | ug/L | 40.00 | 1.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 95.8 % | 75-125 | |
| Lead | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 104 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 101 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.5% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 101 % | 75-125 | |
| Nickel | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 110 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.8 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 99.2 % | 75-125 | |
| Selenium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 108 % | 80-120 | |
| | | | MS | ug/L | 40.00 | 85.1 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 84.5 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 0.7% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 85.1 % | 75-125 | |
| Silver | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.25 | |
| | | | LCS | ug/L | 40.00 | 107 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 94.1 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 91.6 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.7% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 92.3 % | 75-125 | |
| Thallium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 103 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 100 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 101 % | 75-125 | |
| **Wet Chem** | | | | | | | | |
| Oil and Grease | 1664A | 09/19/17:211254AMM | Blank | mg/L | | ND | <3 | |
| | | | LCS | mg/L | 44.89 | 90.3 % | 78-114 | |
| | | | BS | mg/L | 44.89 | 78.1 % | 78-114 | |
| | | | BSD | mg/L | 44.89 | 73.6 % | 78-114 | 436 |
| | | | BSRPD | mg/L | 44.89 | 5.8% | ≤18 | |
| | 1664A | 09/21/17:211359AMM | Blank | mg/L | | ND | <3 | |
| | | | LCS | mg/L | 44.89 | 93.8 % | 78-114 | |
| | | | BS | mg/L | 44.89 | 101 % | 78-114 | |
| | | | BSD | mg/L | 44.89 | 107 % | 78-114 | |
| | | | BSRPD | mg/L | 44.89 | 6.1% | ≤18 | |
| Color | 2120B | (SP 1711169-001) | Dup | units | | 0.0 | 5 | |
| | 2120B | 09/14/17:213913jmg | CCB | units | | 0.00 | 5.0 | |
| | | | CCV | units | 10.00 | 100 % | 90-110 | |
| Turbidity | 2130B | (SP 1711104-019) | Dup | NTU | | 0.0050 | 0.1 | |
| | 2130B | 09/14/17:213906jba | CCV | NTU | 10.00 | 103 % | 90-110 | |
| | | | CCB | NTU | | 0.094 | 0.1 | |
| | | | CCV | NTU | 10.00 | 104 % | 90-110 | |
| | | | CCB | NTU | | 0.094 | 0.1 | |
| Odor | 2150B | (SP 1711160-002) | Dup | TON | | 0.0 | 1 | |
| Chromium VI | 218.6 | 09/18/17:211232JDD | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 2.000 | 100 % | 90-110 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Chromium VI | 218.6 | | MS | ug/L | 2.000 | 78.2 % | 75-125 | |
| | | (STK1751572-001) | MSD | ug/L | 2.000 | 92.9 % | 75-125 | |
| | | | MSRPD | ug/L | 2.000 | 2.8% | ≤20 | |
| | | | MS | ug/L | 2.000 | 104 % | 75-125 | |
| | | (CH 1777845-001) | MSD | ug/L | 2.000 | 106 % | 75-125 | |
| | | | MSRPD | ug/L | 2.000 | 1.8% | ≤20 | |
| | 218.6 | 09/18/17:214067JDD | CCB | ppb | | 0.000 | 0.1 | |
| | | | CCV | ppb | 5.000 | 102 % | 95-105 | |
| | | | CCB | ppb | | 0.000 | 0.1 | |
| | | | CCV | ppb | 5.000 | 101 % | 95-105 | |
| Alkalinity (as CaCO3) | 2320B | (CH 1777914-001) | Dup | mg/L | | 82.5% | 10 | 440 |
| | 2320B | 09/14/17:213886AMB | CCV | mg/L | 234.9 | 89.8 % | 90-110 | |
| | | | CCV | mg/L | 234.9 | 92.2 % | 90-110 | |
| Bicarbonate | 2320B | (CH 1777914-001) | Dup | mg/L | | 82.4% | 10 | 440 |
| Carbonate | 2320B | (CH 1777914-001) | Dup | mg/L | | 0.0 | 10 | |
| Hydroxide | 2320B | (CH 1777914-001) | Dup | mg/L | | 0.0 | 10 | |
| Conductivity | 2510B | 09/14/17:213819JMG | ICB | umhos/cm | | 0.60 | 1 | |
| | | | CCV | umhos/cm | 998.0 | 105 % | 95-105 | |
| | | | CCV | umhos/cm | 998.0 | 104 % | 95-105 | |
| E. C. | 2510B | 09/14/17:211033jmg | Blank | umhos/cm | | ND | <1 | |
| | | (SP 1711151-001) | Dup | umhos/cm | | 0.0% | 5 | |
| Total Dissolved Solids (TFR) | 2540CE | 09/15/17:211113CTL | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 997.3 | 96.5 % | 90-110 | |
| | | (CC 1783529-001) | Dup | mg/L | | 1.0% | 5 | |
| | | (CC 1783529-002) | Dup | mg/L | | 1.1% | 5 | |
| | 2540CE | 09/18/17:211119CTL | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 997.3 | 96.2 % | 90-110 | |
| | | (CC 1783557-001) | Dup | mg/L | | 0.5% | 5 | |
| | | (CC 1783557-002) | Dup | mg/L | | 0.6% | 5 | |
| Solids, Suspended | 2540D | 09/15/17:211211jba | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 50.14 | 106 % | 61-112 | |
| | | | LCS | mg/L | 50.14 | 99.7 % | 61-112 | |
| | | (CH 1777663-001) | Dup | mg/L | | 1.2% | 20 | |
| | | (SP 1711186-001) | Dup | mg/L | | 13.8% | 20 | |
| Chloride | 300.0 | | MS | mg/L | 50.00 | 104 % | 85-121 | |
| | | (VI 1744802-005) | MSD | mg/L | 50.00 | 104 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 0.02% | ≤19 | |
| | | | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 25.00 | 107 % | 90-110 | |
| | | | MS | mg/L | 50.00 | 92.3 % | 85-121 | |
| | | (VI 1744799-002) | MSD | mg/L | 50.00 | 93.5 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 0.7% | ≤19 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.11 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.00 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| | 300.0 | 09/16/17:211151MCA | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 25.00 | 107 % | 90-110 | |
| | | | MS | mg/L | 50.00 | 97.6 % | 85-121 | |
| | | (STK1751634-001) | MSD | mg/L | 50.00 | 98.7 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 0.8% | ≤19 | |
| | | | MS | mg/L | 50.00 | 104 % | 85-121 | |
| | | (STK1751673-001) | MSD | mg/L | 50.00 | 104 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 0.1% | ≤19 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Chloride | 300.0 | 09/16/17:214207MCA | CCB | mg/L | | 0.11 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.08 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| Fluoride | 300.0 | | MS | mg/L | 5.000 | 96.7 % | 87-120 | |
| | | (VI 1744802-005) | MSD | mg/L | 5.000 | 96.7 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 0.03% | ≤16 | |
| | | | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 2.500 | 107 % | 90-110 | |
| | | | MS | mg/L | 5.000 | 104 % | 87-120 | |
| | | (VI 1744799-002) | MSD | mg/L | 5.000 | 106 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 1.1% | ≤16 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 106 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 106 % | 90-110 | |
| | 300.0 | 09/16/17:211151MCA | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 2.500 | 107 % | 90-110 | |
| | | | MS | mg/L | 5.000 | 105 % | 87-120 | |
| | | (STK1751634-001) | MSD | mg/L | 5.000 | 106 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 0.9% | ≤16 | |
| | | | MS | mg/L | 5.000 | 105 % | 87-120 | |
| | | (STK1751673-001) | MSD | mg/L | 5.000 | 105 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 0.5% | ≤16 | |
| | 300.0 | 09/16/17:214207MCA | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 107 % | 90-110 | |
| Nitrate | 300.0 | | MS | mg/L | 40.00 | 104 % | 85-119 | |
| | | (VI 1744802-005) | MSD | mg/L | 40.00 | 103 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 0.2% | ≤19 | |
| | | | Blank | mg/L | | ND | <1.8 | |
| | | | LCS | mg/L | 20.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 40.00 | 113 % | 85-119 | |
| | | (VI 1744799-002) | MSD | mg/L | 40.00 | 111 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 1.4% | ≤19 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 107 % | 90-110 | |
| Nitrite | 300.0 | | MS | mg/L | 30.00 | 106 % | 74-126 | |
| | | (VI 1744802-005) | MSD | mg/L | 30.00 | 106 % | 74-126 | |
| | | | MSRPD | mg/L | 10.00 | 0.1% | ≤20 | |
| | | | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 15.00 | 107 % | 90-110 | |
| | | | MS | mg/L | 30.00 | 105 % | 74-126 | |
| | | (VI 1744799-002) | MSD | mg/L | 30.00 | 106 % | 74-126 | |
| | | | MSRPD | mg/L | 10.00 | 1.2% | ≤20 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 15.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 15.00 | 107 % | 90-110 | |
| Sulfate | 300.0 | | MS | mg/L | 100.0 | 103 % | 82-124 | |
| | | (VI 1744802-005) | MSD | mg/L | 100.0 | 103 % | 82-124 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Sulfate | 300.0 | 09/14/17:211314mca | MSRPD | mg/L | 10.00 | 0.03% | ≤23 | |
| | | | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 50.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 100.0 | 96.6 % | 82-124 | |
| | | (VI 1744799-002) | MSD | mg/L | 100.0 | 98.0 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 1.0% | ≤23 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.246 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.155 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| | 300.0 | 09/16/17:211151MCA | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 50.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 100.0 | 103 % | 82-124 | |
| | | (STK1751634-001) | MSD | mg/L | 100.0 | 105 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 1.0% | ≤23 | |
| | | | MS | mg/L | 100.0 | 103 % | 82-124 | |
| | | (STK1751673-001) | MSD | mg/L | 100.0 | 103 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 0.09% | ≤23 | |
| | 300.0 | 09/16/17:214207MCA | CCB | mg/L | | 0.245 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| | | | CCB | mg/L | | 0.200 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| Perchlorate | 314.0 | 09/22/17:211692MCA | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 25.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 25.00 | 90.6 % | 80-120 | |
| | | (SP 1711393-001) | MSD | ug/L | 25.00 | 91.1 % | 80-120 | |
| | | | MSRPD | ug/L | 25.00 | 0.6% | ≤15 | |
| | | | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 25.00 | 96.7 % | 85-115 | |
| | | | BS | ug/L | 25.00 | 91.9 % | 80-120 | |
| | | | BSD | ug/L | 25.00 | 99.9 % | 80-120 | |
| | | | BSRPD | ug/L | 25.00 | 7.9% | ≤15 | |
| | 314.0 | 09/23/17:214659MCA | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 103 % | 85-115 | |
| | | | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 109 % | 85-115 | |
| | | | CCB | ppb | | 0.54 | 2.0 | |
| | | | CCV | ppb | 10.00 | 111 % | 85-115 | |
| | 314.0 | 10/06/17:212126MCA | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 25.00 | 88.4 % | 85-115 | |
| | | | BS | ug/L | 25.00 | 91.0 % | 80-120 | |
| | | | BSD | ug/L | 25.00 | 94.0 % | 80-120 | |
| | | | BSRPD | ug/L | 25.00 | 3.2% | ≤15 | |
| | 314.0 | 10/07/17:215185MCA | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 111 % | 85-115 | |
| | | | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 114 % | 85-115 | |
| Nitrogen, Total Kjeldahl | 351.2 | 09/26/17:211532jmg | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 73.9 % | 73-124 | |
| | | | MS | mg/L | 12.00 | 79.5 % | 54-136 | |
| | | (SP 1711160-007) | MSD | mg/L | 12.00 | 77.4 % | 54-136 | |
| | | | MSRPD | mg/L | 12.00 | 2.4% | ≤27 | |
| | 351.2 | 09/27/17:211581jmg | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 12.00 | 79.6 % | 73-124 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Nitrogen, Total Kjeldahl | 351.2 | | MS | mg/L | 12.00 | 82.5 % | 54-136 | |
| | | (SP 1711160-010) | MSD | mg/L | 12.00 | 77.8 % | 54-136 | |
| | | | MSRPD | mg/L | 12.00 | 6.1% | ≤27 | |
| Chlorine | 4500ClG | 10/09/17:215175AMM | CCV | mg/L | 0.9937 | 106 % | 90-110 | |
| | | | CCB | mg/L | | -0.019 | 0.1 | |
| | | | CCV | mg/L | 0.9937 | 107 % | 90-110 | |
| | | | CCB | mg/L | | -0.015 | 0.1 | |
| | | | CCV | mg/L | 0.9937 | 106 % | 90-110 | |
| | | | CCB | mg/L | | -0.019 | 0.1 | |
| Chlorine, Residual | 4500ClG | (VI 1744426-001) | Dup | mg/L | | 0.0082 | 0.1 | |
| Cyanide | 4500CNCE | 09/21/17:214193AMM | CCV | mg/L | 0.1000 | 97.8 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| | | | CCV | mg/L | 0.1000 | 97.2 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| | | | CCV | mg/L | 0.1000 | 97.2 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| Cyanide, Total | 4500CNCE | 09/20/17:211253AMM | Blank | mg/L | | ND | <0.004 | |
| | | | LCS | mg/L | 0.1000 | 107 % | 90-110 | |
| | | | LCS | mg/L | 0.4000 | 105 % | 90-110 | |
| | | | MS | mg/L | 0.05000 | 137 % | 26-226 | |
| | | (SP 1711091-003) | MSD | mg/L | 0.05000 | 132 % | 26-226 | |
| | | | MSRPD | mg/L | 0.05000 | 3.4% | ≤36 | |
| Ammonia Nitrogen | 4500NH3G | | MS | mg/L | 2.000 | 131 % | 70-130 | 435 |
| | | (STK1751678-002) | MSD | mg/L | 2.000 | 121 % | 70-130 | |
| | | | MSRPD | mg/L | 2.000 | 6.3% | ≤20 | |
| | | | MS | mg/L | 2.000 | 125 % | 70-130 | |
| | | (SP 1711132-002) | MSD | mg/L | 2.000 | 123 % | 70-130 | |
| | | | MSRPD | mg/L | 2.000 | 1.4% | ≤20 | |
| | 4500NH3G | 09/15/17:213889AMB | ICB | mg/L | | -0.077 | 0.2 | |
| | | | ICV | mg/L | 2.000 | 105 % | 90-110 | |
| | | | CCB | mg/L | | -0.112 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 103 % | 90-110 | |
| | | | CCB | mg/L | | -0.071 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 105 % | 90-110 | |
| | | | CCB | mg/L | | -0.082 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 106 % | 90-110 | |
| | | | CCB | mg/L | | 0.026 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 107 % | 90-110 | |
| Nitrite as Nitrogen | 4500NO2B | | MS | mg/L | 0.2284 | 61.7 % | 1-173 | |
| | | (SP 1711128-004) | MSD | mg/L | 0.2284 | 62.8 % | 1-173 | |
| | | | MSRPD | mg/L | 0.2284 | 0.0025 | ≤0.1 | |
| | 4500NO2B | 09/14/17:213881SJN | CCV | mg/L | 0.1522 | 96.9 % | 90-110 | |
| | | | CCB | mg/L | | -0.005 | 0.1 | |
| | | | CCV | mg/L | 0.1522 | 96.9 % | 90-110 | |
| | | | CCB | mg/L | | -0.007 | 0.1 | |
| | 4500NO2F | | MS | mg/L | 1.218 | 102 % | 50-150 | |
| | | (SP 1711129-001) | MSD | mg/L | 1.218 | 97.4 % | 50-150 | |
| | | | MSRPD | mg/L | 1.218 | 4.2% | ≤30 | |
| Nitrate + Nitrite as N | 4500NO3F | | MS | mg/L | 28.04 | 39.2 % | 5-285 | |
| | | (SP 1711129-001) | MSD | mg/L | 28.04 | 39.6 % | 5-285 | |
| | | | MSRPD | mg/L | 28.04 | 0.6% | ≤30.4 | |
| | 4500NO3F | 09/13/17:213823JDD | CCB | mg/L | | 0.084 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 101 % | 90-110 | |
| | | | CCB | mg/L | | 0.075 | 0.1 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Nitrate + Nitrite as N | 4500NO3F | 09/13/17:213823JDD | CCV | mg/L | 11.22 | 98.7 % | 90-110 | |
| | 4500NO3F | (CC 1783529-001) | MS | mg/L | 28.04 | 40.6 % | 5-285 | |
| | | | MSD | mg/L | 28.04 | 39.2 % | 5-285 | |
| | | | MSRPD | mg/L | 28.04 | 2.1% | ≤30.4 | |
| | 4500NO3F | 09/14/17:213926JDD | CCB | mg/L | | 0.012 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 97.8 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 97.2 % | 90-110 | |
| Nitrite as Nitrogen | 4500NO3F | 09/13/17:213776JDD | CCB | mg/L | | 0.0100 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 103 % | 90-110 | |
| | | | CCB | mg/L | | 0.01100 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 103 % | 90-110 | |
| Phosphorus | 4500-P B | 09/25/17:211523sjn | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 97.4 % | 90-116 | |
| | | | MS | mg/L | 0.2800 | 80.0 % | 25-292 | |
| | | (CC 1783468-001) | MSD | mg/L | 0.2800 | 71.0 % | 25-292 | |
| | | | MSRPD | mg/L | 0.2800 | 2.8% | ≤13.2 | |
| Total Phosphorus | 4500PE | 09/25/17:214428SJN | CCB | mg/L | | -0.005 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 99.4 % | 90-110 | |
| | | | CCB | mg/L | | -0.002 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 96.3 % | 90-110 | |
| | | | CCB | mg/L | | -0.01 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 101 % | 90-110 | |
| BOD | 5210B | 09/14/17:211056kmm | RgBlk | mg/L | | 0.20 | 2 | |
| | | | LCS | mg/L | 198.0 | 100 % | 84.6-115 | |
| | | (CH 1777966-001) | Dup | mg/L | | 33.5% | 15.9 | 440 |
| | | (CH 1777966-001) | Dup | mg/L | | 36.1% | 15.9 | 440 |
| | 5210B | 09/19/17:214116kmm | CCV | mg/L | 1.000 | 102 % | 80-120 | |
| | | | CCV | mg/L | 1.000 | 101 % | 80-120 | |
| MBAS | 5540C | 09/14/17:213899jba | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 99.4 % | 90-110 | |
| | | | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 98.9 % | 90-110 | |
| | | | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 99.4 % | 90-110 | |
| | 5540C | 09/15/17:214025jba | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 109 % | 90-110 | |
| | | | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 109 % | 90-110 | |
| MBAS Extraction | 5540C | 09/14/17:211090jba | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 98.9 % | 86-114 | |
| | | | BS | mg/L | 0.5000 | 104 % | 86-114 | |
| | | | BSD | mg/L | 0.5000 | 102 % | 86-114 | |
| | | | BSRPD | mg/L | 0.5000 | 1.8% | ≤5 | |
| | 5540C | 09/15/17:211210jba | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 109 % | 86-114 | |
| | | | BS | mg/L | 0.5000 | 106 % | 86-114 | |
| | | | BSD | mg/L | 0.5000 | 104 % | 86-114 | |
| | | | BSRPD | mg/L | 0.5000 | 1.8% | ≤5 | |
| Nitrogen, Total Kjeldahl | EPA351.2 | 09/28/17:214612AMB | ICB | mg/L | | 0.000 | 0.5 | |
| | | | ICV | mg/L | 5.000 | 102 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 104 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Nitrogen, Total Kjeldahl | EPA351.2 | 09/28/17:214612AMB | CCV | mg/L | 5.000 | 106 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 105 % | 90-110 | |

**Definition**

| | |
|---|---|
| PDS | : PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery. |
| ICV | : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| ICB | : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| RgBlk | : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| Dup | : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| <¼ | : High Sample Background - Spike concentration was less than one forth of the sample concentration. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

**Explanation**

| | |
|---|---|
| 220 | : The CCB was greater than the DQO. However, all results were either five times greater than the CCB concentration or ND relative to the PQL. |
| 360 | : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 436 | : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |
| 440 | : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Radio

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Radio** | | | | | | | | |
| Beta | 900.0 | 10/06/17:215274aat | CCV | cpm | 8678 | 90.5 % | 83-94 | |
| | | | CCB | cpm | | 0.1400 | 0.51 | |
| | 900.0 | 10/07/17:215207aat | CCV | cpm | 8678 | 88.3 % | 83-94 | |
| | | | CCB | cpm | | 0.8200 | 1.03 | |
| Gross Beta | 900.0 | 10/04/17:211945aat | Blank | pCi/L | | 0.20 | 4 | |
| | | | LCS | pCi/L | 71.20 | 116 % | 84-160 | |
| | | | BS | pCi/L | 71.20 | 111 % | 80-130 | |
| | | | BSD | pCi/L | 71.20 | 119 % | 80-130 | |
| | | | BSRPD | pCi/L | 107.8 | 7.3% | ≤30 | |
| Alpha | 903.0 | 09/27/17:214650aat | CCV | cpm | 8311 | 40.4 % | 37-46 | |
| | | | CCB | cpm | | 0.100 | 0.16 | |
| Total Alpha Radium (226) | 903.0 | 09/24/17:211451elc | RgBlk | pCi/L | | 0.01 | 2 | |
| | | | LCS | pCi/L | 21.85 | 53.6 % | 52-107 | |
| | | | BS | pCi/L | 21.85 | 72.3 % | 43-111 | |
| | | | BSD | pCi/L | 21.85 | 65.7 % | 43-111 | |
| | | | BSRPD | pCi/L | 21.85 | 9.5% | ≤35.5 | |
| Tritium | 906.0 | 09/16/17:211140elc | Blank | pCi/L | | 97 | 300 | |
| | | | LCS | pCi/L | 1652 | 124 % | 75-125 | |
| | | | BS | pCi/L | 1652 | 110 % | 75-125 | |
| | | | BSD | pCi/L | 1652 | 112 % | 75-125 | |
| | | | BSRPD | pCi/L | 1652 | 1.6% | ≤25 | |
| | 906.0 | 09/17/17:213990elc | CCV | pCi/L | 28450 | 103 % | 90-110 | |
| | | | CCB | pCi/L | | 9 | 500 | |
| Alpha | 908.0 | 09/29/17:214757aat | CCV | cpm | 8310 | 39.9 % | 36-45 | |
| | | | CCB | cpm | | 0.100 | 0.16 | |
| Uranium | 908.0 | 09/25/17:211488rmm | RgBlk | pCi/L | | 0.55 | 1 | |
| | | | LRS | pCi/L | 21.48 | 78.7 % | 54-105 | |
| | | | BS | pCi/L | 21.48 | 121 % | 75-125 | |
| | | | BSD | pCi/L | 21.48 | 104 % | 75-125 | |
| | | | BSRPD | pCi/L | 21.48 | 15.0% | ≤20 | |
| Beta | Ra - 05 | 10/05/17:214669emv | CCV | cpm | 8678 | 88.6 % | 84-94 | |
| | | | CCB | cpm | | 0.3200 | 0.48 | |
| | Ra - 05 | 10/05/17:215053emv | CCV | cpm | 8678 | 87.4 % | 84-94 | |
| | | | CCB | cpm | | 0.4400 | 0.58 | |
| | Ra - 05 | 10/05/17:215054emv | CCV | cpm | 8678 | 90.5 % | 84-94 | |
| | | | CCB | cpm | | 0.1400 | 0.51 | |
| Ra 228 | Ra - 05 | 10/01/17:211578emv | RgBlk | pCi/L | | 0.03 | 3 | |
| | | | LRS | pCi/L | 36.26 | 77.3 % | 65-108 | |
| | | | BS | pCi/L | 36.26 | 93.8 % | 75-125 | |
| | | | BSD | pCi/L | 36.26 | 94.5 % | 75-125 | |
| | | | BSRPD | pCi/L | 36.26 | 0.7% | ≤25 | |
| Alpha | SM7110C | 10/03/17:214934RMM | CCV | cpm | 8307 | 39.9 % | 26-59 | |
| | | | CCB | cpm | | 0.0200 | 0.12 | |
| | SM7110C | 10/05/17:214935aat | CCV | cpm | 8307 | 41.4 % | 26-59 | |
| | | | CCB | cpm | | 0.0400 | 0.08 | |
| Gross Alpha | SM7110C | 09/28/17:211691rmm | RgBlk | pCi/L | | 0.25 | 3 | |
| | | | LCS | pCi/L | 86.54 | 110 % | 75-125 | |
| | | | BS | pCi/L | 86.54 | 115 % | 60-140 | |
| | | | BSD | pCi/L | 86.54 | 122 % | 60-140 | |
| | | | BSRPD | pCi/L | 86.54 | 5.8% | ≤30 | |

**Definition**

CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

October 11, 2017 Lab ID : SP 1711160
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Radio

| **Definition** | |
|---|---|
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| LRS | : Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

September 22, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711160**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-EPA 547

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-22

Enclosure

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

**Work Order Number: B7I1373**
Received on Ice (Y/N): Yes Temp: 5 °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 |
|---|---|---|---|---|---|---|
| B7I1373-01 | MCWP-MW04S Grab | Water | 09/13/17 8:00 | Matt P./Ryan S | 09/15/17 10:10 | Courier (GSO) |
| B7I1373-02 | SMBRP-12 Grab | Water | 09/13/17 11:40 | Matt P./Ryan S | 09/15/17 10:10 | Courier (GSO) |
| B7I1373-03 | MCWP-MW09 Grab | Water | 09/13/17 13:20 | Matt P./Ryan S | 09/15/17 10:10 | Courier (GSO) |

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

**Work Order Number: B7I1373**
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
**B7I1373-01**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| MCWP-MW04S | Water | 09/13/17 08:00 | 09/15/17 10:10 |

| Analyte(s) | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|
| Glyphosate by EPA 547 | | | | | | | |
| Glyphosate | ND | 25 | ug/L | EPA 547 | 09/18/17 20:21 | JHR | |

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

**Work Order Number: B7I1373**
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
**B7I1373-02**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| SMBRP-12 | Water | 09/13/17 11:40 | 09/15/17 10:10 |

| Analyte(s) | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|
| Glyphosate by EPA 547 | | | | | | | |
| Glyphosate | ND | 25 | ug/L | EPA 547 | 09/18/17 20:38 | JHR | |

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

**Work Order Number: B7I1373**
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
**B7I1373-03**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| MCWP-MW09 | Water | 09/13/17 13:20 | 09/15/17 10:10 |

| Analyte(s) | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|
| Glyphosate by EPA 547 | | | | | | | |
| Glyphosate | ND | 25 | ug/L | EPA 547 | 09/18/17 20:56 | JHR | |

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

**Work Order Number: B7I1373**
Received on Ice (Y/N): Yes Temp: 5 °C

## Glyphosate by EPA 547 - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 7I18133 - None** | | | | | | | | | | |
| **Blank (7I18133-BLK1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | ND | 25 | ug/L | | | | | | | |
| **LCS (7I18133-BS1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 92.3 | 25 | ug/L | 100 | | 92.3 | 80-120 | | | |
| **LCS Dup (7I18133-BSD1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 177 | 25 | ug/L | 200 | | 88.3 | 80-120 | 4.40 | 40 | |
| **Matrix Spike (7I18133-MS1)** | | **Source: B7I1081-01** | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 91.3 | 25 | ug/L | 100 | ND | 91.3 | 66-126 | | | |
| **Matrix Spike (7I18133-MS2)** | | **Source: B7I1083-01** | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 93.4 | 25 | ug/L | 100 | ND | 93.4 | 66-126 | | | |

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

**Work Order Number: B7I1373**
Received on Ice (Y/N): Yes Temp: 5 °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

* / (Non-NELAP): 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.



**Nancy H. Boulineau For Cindy A. Waddell**

cc:

e-Standard_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

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Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

**Work Order Number: B7I1373**
Received on Ice (Y/N): Yes Temp: 5 °C

## Subcontract to
## Babcock Laboratories, Inc.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711160 - (2-25173)**
Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-EPA 547 | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | MCWP-MW04S | 09/13/17 | 08:00 | G | MW | | | | X | 125 AMBER |
| 4 | SMBRP-12 | 09/13/17 | 11:40 | G | MW | | | | X | " |
| 7 | MCWP-MW09 | 09/13/17 | 13:20 | G | MW | | | | X | " |

5° C. ONICE INTACT

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/14/17 | 17:30 | GSO | 9/15/17 | 10:10 | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | | | ES/3 | 9/15/17 | 10:10 | | | |

B7I1373 NT
SEP 15 2017

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

September 26, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711160**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Bromate,Chlorite, Low-Level

Please note that this analysis was performed by Test America - Irvine (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-26

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-192309-1
Client Project/Site: SP 1711160 - (2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

*Authorized for release by:*
*9/25/2017 4:34:39 PM*

Janice Hsu, Project Manager I
(949)261-1022
janice.hsu@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 2
Sample Summary . . . . . 3
Case Narrative . . . . . 4
Client Sample Results . . . . . 5
Method Summary . . . . . 6
Lab Chronicle . . . . . 7
QC Sample Results . . . . . 8
QC Association Summary . . . . . 10
Definitions/Glossary . . . . . 11
Certification Summary . . . . . 12
Chain of Custody . . . . . 13
Receipt Checklists . . . . . 14

# Sample Summary

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 440-192309-1 | MCWP-MW04S | Water | 09/13/17 08:00 | 09/15/17 08:45 |
| 440-192309-2 | SMBRP-12 | Water | 09/13/17 11:40 | 09/15/17 08:45 |
| 440-192309-3 | MCWP-MW09 | Water | 09/13/17 13:20 | 09/15/17 08:45 |

## Job ID: 440-192309-1

### Laboratory: TestAmerica Irvine

**Narrative**

**Job Narrative**
**440-192309-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 9/15/2017 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

**HPLC/IC**
Method(s) 300.1B: The following samples were diluted for the chlorite analyte due to the nature of the sample matrix: MCWP-MW04S (440-192309-1), SMBRP-12 (440-192309-2) and MCWP-MW09 (440-192309-3). Elevated reporting limits (RLs) are provided.

Method(s) 300.1B: The following samples were diluted for the bromate analyte due to the nature of the sample matrix: MCWP-MW04S (440-192309-1), SMBRP-12 (440-192309-2) and MCWP-MW09 (440-192309-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

## Client Sample ID: MCWP-MW04S

**Lab Sample ID: 440-192309-1**
**Date Collected: 09/13/17 08:00**
**Matrix: Water**
**Date Received: 09/15/17 08:45**

### Method: 300.1B - Disinfection By-Products, (IC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 25 | 13 | ug/L | | | 09/17/17 19:16 | 5 |
| Chlorite | ND | | 100 | 50 | ug/L | | | 09/17/17 19:16 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *106* | | *90 - 115* | | *09/17/17 19:16* | *5* |
| *Dichloroacetic acid(Surr)* | *106* | | *90 - 115* | | *09/17/17 19:16* | *5* |

## Client Sample ID: SMBRP-12

**Lab Sample ID: 440-192309-2**
**Date Collected: 09/13/17 11:40**
**Matrix: Water**
**Date Received: 09/15/17 08:45**

### Method: 300.1B - Disinfection By-Products, (IC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 25 | 13 | ug/L | | | 09/17/17 19:52 | 5 |
| Chlorite | ND | | 100 | 50 | ug/L | | | 09/17/17 19:52 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *99* | | *90 - 115* | | *09/17/17 19:52* | *5* |
| *Dichloroacetic acid(Surr)* | *99* | | *90 - 115* | | *09/17/17 19:52* | *5* |

## Client Sample ID: MCWP-MW09

**Lab Sample ID: 440-192309-3**
**Date Collected: 09/13/17 13:20**
**Matrix: Water**
**Date Received: 09/15/17 08:45**

### Method: 300.1B - Disinfection By-Products, (IC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 25 | 13 | ug/L | | | 09/17/17 20:29 | 5 |
| Chlorite | ND | | 100 | 50 | ug/L | | | 09/17/17 20:29 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* | | *09/17/17 20:29* | *5* |
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* | | *09/17/17 20:29* | *5* |

# Method Summary

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 300.1B | Disinfection By-Products, (IC) | EPA | TAL IRV |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

# Lab Chronicle

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

## Client Sample ID: MCWP-MW04S
**Date Collected: 09/13/17 08:00**
**Date Received: 09/15/17 08:45**

**Lab Sample ID: 440-192309-1**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.1B | | 5 | | | 429422 | 09/17/17 19:16 | YZ | TAL IRV |
| Total/NA | Analysis | 300.1B | | 5 | | | 429423 | 09/17/17 19:16 | YZ | TAL IRV |

## Client Sample ID: SMBRP-12
**Date Collected: 09/13/17 11:40**
**Date Received: 09/15/17 08:45**

**Lab Sample ID: 440-192309-2**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.1B | | 5 | | | 429422 | 09/17/17 19:52 | YZ | TAL IRV |
| Total/NA | Analysis | 300.1B | | 5 | | | 429423 | 09/17/17 19:52 | YZ | TAL IRV |

## Client Sample ID: MCWP-MW09
**Date Collected: 09/13/17 13:20**
**Date Received: 09/15/17 08:45**

**Lab Sample ID: 440-192309-3**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.1B | | 5 | | | 429422 | 09/17/17 20:29 | YZ | TAL IRV |
| Total/NA | Analysis | 300.1B | | 5 | | | 429423 | 09/17/17 20:29 | YZ | TAL IRV |

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

## Method: 300.1B - Disinfection By-Products, (IC)

**Lab Sample ID: MB 440-429422/5**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 5.0 | 2.5 | ug/L | | | 09/17/17 10:49 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* | | *09/17/17 10:49* | *1* |

**Lab Sample ID: LCS 440-429422/4**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | | | 25.0 | 26.1 | | ug/L | | 104 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* |

**Lab Sample ID: MRL 440-429422/3**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | | | 5.00 | 6.05 | | ug/L | | 121 | 50 - 150 | | |

| *Surrogate* | *MRL %Recovery* | *MRL Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* |

**Lab Sample ID: 440-192273-A-2 MS**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 50.0 | 58.4 | | ug/L | | 117 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* |

**Lab Sample ID: 440-192273-A-2 MSD**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 50.0 | 61.5 | | ug/L | | 123 | 75 - 125 | 5 | 25 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* |

## Method: 300.1B - Disinfection By-Products, (IC) (Continued)

**Lab Sample ID: MB 440-429423/5**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chlorite | ND | | 20 | 10 | ug/L | | | 09/17/17 10:49 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* | | *09/17/17 10:49* | *1* |

**Lab Sample ID: LCS 440-429423/4**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | | | 100 | 111 | | ug/L | | 111 | 85 - 115 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* |

**Lab Sample ID: MRL 440-429423/3**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | | | 20.0 | 20.9 | | ug/L | | 104 | 10 - 200 | | |

| *Surrogate* | *MRL %Recovery* | *MRL Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* |

**Lab Sample ID: 440-192273-A-2 MS**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | 21 | | 200 | 242 | | ug/L | | 111 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* |

**Lab Sample ID: 440-192273-A-2 MSD**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | 21 | | 200 | 249 | | ug/L | | 114 | 75 - 125 | 3 | 25 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

## HPLC/IC

### Analysis Batch: 429422

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 440-192309-1 | MCWP-MW04S | Total/NA | Water | 300.1B | |
| 440-192309-2 | SMBRP-12 | Total/NA | Water | 300.1B | |
| 440-192309-3 | MCWP-MW09 | Total/NA | Water | 300.1B | |
| MB 440-429422/5 | Method Blank | Total/NA | Water | 300.1B | |
| LCS 440-429422/4 | Lab Control Sample | Total/NA | Water | 300.1B | |
| MRL 440-429422/3 | Lab Control Sample | Total/NA | Water | 300.1B | |
| 440-192273-A-2 MS | Matrix Spike | Total/NA | Water | 300.1B | |
| 440-192273-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.1B | |

### Analysis Batch: 429423

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 440-192309-1 | MCWP-MW04S | Total/NA | Water | 300.1B | |
| 440-192309-2 | SMBRP-12 | Total/NA | Water | 300.1B | |
| 440-192309-3 | MCWP-MW09 | Total/NA | Water | 300.1B | |
| MB 440-429423/5 | Method Blank | Total/NA | Water | 300.1B | |
| LCS 440-429423/4 | Lab Control Sample | Total/NA | Water | 300.1B | |
| MRL 440-429423/3 | Lab Control Sample | Total/NA | Water | 300.1B | |
| 440-192273-A-2 MS | Matrix Spike | Total/NA | Water | 300.1B | |
| 440-192273-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.1B | |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

## Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| Alaska | State Program | 10 | CA01531 | 06-30-18 |
| Arizona | State Program | 9 | AZ0671 | 10-14-17 * |
| California | LA Cty Sanitation Districts | 9 | 10256 | 06-30-18 |
| California | State Program | 9 | CA ELAP 2706 | 06-30-18 |
| Guam | State Program | 9 | Cert. No. 17-003R | 01-23-18 |
| Hawaii | State Program | 9 | N/A | 01-29-18 |
| Kansas | NELAP Secondary AB | 7 | E-10420 | 07-31-17 * |
| Nevada | State Program | 9 | CA015312018-1 | 07-31-18 |
| New Mexico | State Program | 6 | N/A | 01-29-18 * |
| Northern Mariana Islands | State Program | 9 | MP0002 | 01-29-17 * |
| Oregon | NELAP | 10 | 4028 | 01-29-18 |
| USDA | Federal | | P330-15-00184 | 07-08-18 |
| Washington | State Program | 10 | C900 | 09-03-18 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Subcontract to
# Test America - Irvine

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Porable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | MCWP-MW04S | 09/13/17 | 08:00 | G | MW | | | | 1 | | | | | | | | |
| 4 | SMBRP-12 | 09/13/17 | 11:40 | G | MW | | | | 1 | | | | | | | | |
| 7 | MCWP-MW09 | 09/13/17 | 13:20 | G | MW | | | | 1 | | | | | | | | |
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Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/14/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | [signature] | 9/14/17 | 0815 | | | |

5376160411

3.5/3.8-84

1/6 9/15

Page 13 of 14

9/25/2017

1440-192309 Chain of Custody

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 440-192309-1

**Login Number: 192309**
**List Number: 1**
**Creator: Garcia, Veronica G**

**List Source: TestAmerica Irvine**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | Not present |
| Sample custody seals, if present, are intact. | N/A | Not Present |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

September 28, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711160**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 525

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-28

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
AT-1807

# Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
09/28/2017
EUROFINS EATON ANALYTICAL, INC.

NELAP ACCREDITED TNI LABORATORY
ORELAP 4034

Report: 686847
Project: DRINKING
Group: ORGANICS - EPA 500's

MP6E: Alicia Del Carlo
Project Manager

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

# STATE CERTIFICATION LIST

| State | Certification Number | State | Certification Number |
|---|---|---|---|
| **Alabama** | 41060 | **Michigan** | 9906 |
| **Arizona** | AZ0778 | **Mississippi** | Certified |
| **Arkansas** | Certified | **Montana** | Cert 0035 |
| **California-Monrovia-ELAP** | 2813 | **Nebraska** | Certified |
| **California-Colton- ELAP** | 2812 | **Nevada** | CA00006-2016 |
| **California-Folsom- ELAP** | 2820 | **New Hampshire *** | 2959 |
| **California-Fresno- ELAP** | 2966 | **New Jersey *** | CA 008 |
| **Colorado** | Certified | **New Mexico** | Certified |
| **Connecticut** | PH-0107 | **New York *** | 11320 |
| **Delaware** | CA 006 | **North Carolina** | 06701 |
| **Florida *** | E871024 | **North Dakota** | R-009 |
| **Georgia** | 947 | **Oregon (Primary AB) *** | **ORELAP 4034** |
| **Guam** | 17-005R | **Pennsylvania *** | 68-565 |
| **Hawaii** | Certified | **Puerto Rico** | Certified |
| **Idaho** | Certified | **Rhode Island** | LAO00326 |
| **Illinois *** | 200033 | **South Carolina** | 87016 |
| **Indiana** | C-CA-01 | **South Dakota** | Certified |
| **Iowa - Asbestos** | 413 | **Tennessee** | TN02839 |
| **Kansas *** | E-10268 | **Texas *** | T104704230-16-11 |
| **Kentucky** | 90107 | **Utah *** | CA000062017-11 |
| **Louisiana *** | LA170009 | **Vermont** | VT0114 |
| **Maine** | CA0006 | **Virginia *** | 460260 |
| **Maryland** | 224 | **Washington** | C838 |
| **Commonwealth of Northern Marianas Is.** | MP0004 | **EPA Region 5** | Certified |
| **Massachusetts** | M-CA006 | **Los Angeles County Sanitation Districts** | 10264 |

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 626-386-1101
www.EatonAnalytical.com

ISO 17025 Accredited Method List

**The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.**

**Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com**

| SPECIFIC TESTS | METHOD OR TECHNIQUE USED | Environ-mental (Drinking Water) | Environ-mental (Waste Water) | Water as a Component of Food and Bev/Bev/ Bottled Water |
|---|---|---|---|---|
| 1,4-Dioxane | EPA 522 | x | | x |
| 2,3,7,8-TCDD | Modified EPA 1613B | x | | x |
| Acrylamide | In House Method (2440) | x | | x |
| Alkalinity | SM 2320B | x | x | x |
| Ammonia | EPA 350.1 | | x | x |
| Ammonia | SM 4500-NH3 H | | x | x |
| Anions and DBPs by IC | EPA 300.0 | x | x | x |
| Anions and DBPs by IC | EPA 300.1 | x | | x |
| Asbestos | EPA 100.2 | x | x | |
| Bicarbonate Alkalinity as HCO3 | SM 2320B | x | x | x |
| BOD / CBOD | SM 5210B | | x | x |
| Bromate | In House Method (2447) | x | | x |
| Carbamates | EPA 531.2 | x | | x |
| Carbonate as CO3 | SM 2330B | x | x | x |
| Carbonyls | EPA 556 | x | | x |
| COD | EPA 410.4 / SM 5220D | | x | |
| Chloramines | SM 4500-CL G | x | x | x |
| Chlorinated Acids | EPA 515.4 | x | | x |
| Chlorinated Acids | EPA 555 | x | | x |
| Chlorine Dioxide | SM 4500-CLO2 D | x | | x |
| Chlorine -Total/Free/ Combined Residual | SM 4500-Cl G | x | x | x |
| Conductivity | EPA 120.1 | | x | |
| Conductivity | SM 2510B | x | x | x |
| Corrosivity (Langelier Index) | SM 2330B | x | | x |
| Cryptosporidium | EPA 1623 | x | | x |
| Cyanide, Amenable | SM 4500-CN G | x | x | |
| Cyanide, Free | SM 4500CN F | x | x | x |
| Cyanide, Total | EPA 335.4 | x | x | x |
| Cyanogen Chloride (screen) | In House Method (2470) | x | | x |
| Diquat and Paraquat | EPA 549.2 | x | | x |
| DBP/HAA | SM 6251B | x | | x |
| Dissolved Oxygen | SM 4500-O G | | x | x |
| DOC | SM 5310C | x | | x |
| E. Coli | (MTF/EC+MUG) | x | | x |
| E. Coli | CFR 141.21(f)(6)(i) | x | | x |
| E. Coli | SM 9223 | | x | |
| E. Coli (Enumeration) | SM 9221B.1/ SM 9221F | x | | x |
| E. Coli (Enumeration) | SM 9223B | x | | x |
| EDB/DCBP | EPA 504.1 | x | | |
| EDB/DBCP and DBP | EPA 551.1 | x | | x |
| EDTA and NTA | In House Method (2454) | x | | x |
| Endothall | EPA 548.1 | x | | x |
| Endothall | In-house Method (2445) | x | | x |
| Enterococci | SM 9230B | x | x | |
| Fecal Coliform | SM 9221 E (MTF/EC) | x | | |
| Fecal Coliform | SM 9221C, E (MTF/EC) | | x | |
| Fecal Coliform (Enumeration) | SM 9221E (MTF/EC) | x | | x |
| Fecal Coliform with Chlorine Present | SM 9221E | | x | |
| Fecal Streptococci | SM 9230B | x | x | |
| Fluoride | SM 4500-F C | x | x | x |
| Giardia | EPA 1623 | x | | x |
| Glyphosate | EPA 547 | x | | x |
| Gross Alpha/Beta | EPA 900.0 | x | x | x |
| Gross Alpha Coprecipitation | SM 7110 C | x | x | x |
| Hardness | SM 2340B | x | x | x |
| Heterotrophic Bacteria | In House Method (2439) | x | | x |
| Heterotrophic Bacteria | SM 9215 B | x | | x |
| Hexavalent Chromium | EPA 218.6 | x | x | x |
| Hexavalent Chromium | EPA 218.7 | x | | x |
| Hexavalent Chromium | SM 3500-Cr B | | x | |
| Hormones | EPA 539 | x | | x |
| Hydroxide as OH Calc. | SM 2330B | x | | x |
| Kjeldahl Nitrogen | EPA 351.2 | | x | |
| Legionella | CDC Legionella | x | | x |
| Mercury | EPA 245.1 | x | x | x |
| Metals | EPA 200.7 / 200.8 | x | x | x |
| Microcystin LR | ELISA (2360) | x | | x |
| NDMA | EPA 521 | x | | x |
| NDMA | TQ In house method based on EPA 521 (2425) | x | | x |
| Nitrate/Nitrite Nitrogen | EPA 353.2 | x | x | x |
| OCL, Pesticides/PCB | EPA 505 | x | | x |
| Ortho Phosphate | EPA 365.1 | x | x | x |
| Ortho Phosphate | SM 4500P E | | | x |
| Ortho Phosphorous | SM 4500P E | x | | |
| Oxyhalides Disinfection Byproducts | EPA 317.0 | x | | x |
| Perchlorate | EPA 331.0 | x | | x |
| Perchlorate (low and high) | EPA 314.0 | x | | x |
| Perfluorinated Alkyl Acids | EPA 537 | x | | x |
| pH | EPA 150.1 | x | | |
| pH | SM 4500-H+B | x | x | x |
| Phenylurea Pesticides/ Herbicides | In House Method, based on EPA 532 (2448) | x | | x |
| Pseudomonas | IDEXX Pseudalert (2461) | x | | x |
| Radium-226 | GA Institute of Tech | x | | x |
| Radium-228 | GA Institute of Tech | x | | x |
| Radon-222 | SM 7500RN | x | | x |
| Residue, Filterable | SM 2540C | x | x | x |
| Residue, Non-filterable | SM 2540D | | x | |
| Residue, Total | SM 2540B | | x | x |
| Residue, Volatile | EPA 160.4 | | x | |
| Semi-VOC | EPA 525.2 | x | | x |
| Semi-VOC | EPA 625 | | x | x |
| Silica | SM 4500-Si D | x | x | |
| Silica | SM 4500-SiO2 C | x | x | |
| Sulfide | SM 4500-$S^{=}$ D | | x | |
| Sulfite | SM 4500-$SO^{3}$B | x | x | x |
| Surfactants | SM 5540C | x | x | x |
| Taste and Odor Analytes | SM 6040E | x | | x |
| Total Coliform (P/A) | SM 9221 A, B | x | | x |
| Total Coliform (Enumeration) | SM 9221 A, B, C | x | | x |
| Total Coliform / E. coli | Colisure SM 9223 | x | | x |
| Total Coliform | SM 9221B | | x | |
| Total Coliform with Chlorine Present | SM 9221B | | x | |
| Total Coliform / E.coli (P/A and Enumeration) | SM 9223 | x | | x |
| TOC | SM 5310C | x | x | x |
| TOX | SM 5320B | | x | |
| Total Phenols | EPA 420.1 | | x | |
| Total Phenols | EPA 420.4 | x | x | x |
| Total Phosphorous | SM 4500 P E | | x | |
| Turbidity | EPA 180.1 | x | x | x |
| Turbidity | SM 2130B | x | x | |
| Uranium by ICP/MS | EPA 200.8 | x | | x |
| UV 254 | SM 5910B | x | | |
| VOC | EPA 524.2/EPA 524.3 | x | | x |
| VOC | EPA 624 | | x | x |
| VOC | EPA SW 846 8260 | x | | x |
| VOC | In House Method (2411) | x | | x |
| Yeast and Mold | SM 9610 | x | | x |

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# Acknowledgement of Samples Received


Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012


Client ID: FGL
Folder #: 686847
Project: DRINKING (SP 1711160)
Sample Group: ORGANICS - EPA 500's

Project Manager: Alicia Del Carlo
Phone: 559-797-1931

The following samples were received from you on **September 15, 2017** at **1922**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, Inc..

| Sample # | Sample ID | Sample Date |
|---|---|---|
| 201709150754 | TRAVEL BLANK - Hold | 09/13/2017 0000 |
| | @525_FGL_SHORT TBC | |
| 201709150755 | MCWP-MW04S | 09/13/2017 0800 |
| | @525_FGL_SHORT | |
| 201709150756 | SMBRP-12 | 09/13/2017 1140 |
| | @525_FGL_SHORT | |

## Test Description

@525_FGL_SHORT -- Semivolatiles by GCMS

@525_FGL_SHORT TBC -- Semivolatiles by GCMS

# Subcontract to
# Eurofins Eaton Analytical, Inc.

686847

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Travel Blank | 09/13/17 | 00:00 | G | LBW | | | | 1 | | | | | | | | |
| 2 | MCWP-MW04S | 09/13/17 | 08:00 | G | MW | | | | 1 | | | | | | | | |
| 4 | SMBRP-12 | 09/13/17 | 11:40 | G | MW | | | | 1 | | | | | | | | |
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Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/14/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | | | | 9/15/17 | 1522 | | | |

eurofins | Eaton Analytical

# INTERNAL CHAIN OF CUSTODY RECORD

EBA Folder Number: 686847

SAMPLE TEMP RECEIVED:

IR Gun ID = 569A (Observation= 5.8 °C) (Corr.Factor -0.2 °C) (Final = 5.6 °C)

SAMPLES REC'D DAY OF COLLECTION? ____ Thawed ____ N/A ____

TYPE OF ICE: Real ✓ Synthetic ____ No Ice ____ CONDITION OF ICE: Frozen ✓ Partially Frozen ____ Thawed ____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GSO

Compliance Acceptance Criteria:

1) Chemistry: >0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

- If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

| | |
|---|---|
| 1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C) | 2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C) |
| 3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C) | 4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C) |

4) UCMR3 (non-GLEC): 524.3: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

522: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

≤10°C if received within 48 hours of sample collection (not the same business day); ≤6°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia /Cryptosporidium: <20 °C, not frozen (received after 8 hours of sample collection )

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Crypto: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

E.Coli: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

| RECEIVED BY: | SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
|---|---|---|---|---|---|
| | | | Eurofins Eaton Analytical | 9/15/17 | 9:22 |

Page ___ of ___

GSO

800-322-5555
www.gso.com

**Ship From**
FRUIT GROWERS LABORATORY, INC.
BRANDON QUELL
853 CORPORATION ST
SANTA PAULA, CA 93060

**Ship To**
**EUROFINS EATON ANALYTICAL**
**ATTN: MONICA VANNATTA**
**750 ROYAL OAKS DRIVE STE#100**
**MONROVIA, CA 91016**

**COD:** $0.00
**Weight:** 47 lb(s)
**Reference:**
SP1711220-9/14/17-BQ
**Delivery Instructions:**

**Signature Type:** REQUIRED

**Tracking #: 537615985** **PDS**

**NWK** **E**
**MONROVIA**

**D91006A**

72255187

Print Date: 9/14/2017 4:20 PM

**LABEL INSTRUCTIONS:**

**Do not copy or reprint this label for additional shipments - each package must have a unique barcode.**
Step 1: Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

**TERMS AND CONDITIONS:**

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

**Laboratory Comments**

**Report:** 686847
**Project:** DRINKING (SP 1711160)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

---

**The Comments Report may be blank if there are no comments for this report.**

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

**Laboratory Hits**

**Report:** 686847
**Project:** DRINKING (SP 1711160)
**Group:** ORGANICS - EPA 500's

**FGL Environmental, Inc.**
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/15/2017 1922

| Analyzed | Analyte | Sample ID | Result | Federal MCL | Units | MRL |
|---|---|---|---|---|---|---|

**SUMMARY OF POSITIVE DATA ONLY**

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**Laboratory Data**

**Report:** 686847
**Project:** DRINKING (SP 1711160)
**Group:** ORGANICS - EPA 500's

**FGL Environmental, Inc.**
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/15/2017 1922

| Prepared | Analyzed | Prep Batch | Analyze Batch | Method | Analyte | Result | Units | MDL | MRL | Dilution |
|---|---|---|---|---|---|---|---|---|---|---|
| **MCWP-MW04S (201709150755)** | | | | | | | **Sampled on 09/13/2017 0800** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/20/17 | 09/26/17 9:27 | 1028843 | 1030693 | (EPA 525.2) | Benzo(a)pyrene | ND | ug/L | 0.011 | 0.02 | 1 |
| 09/20/17 | 09/26/17 9:27 | 1028843 | 1030693 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND | ug/L | 0.063 | 0.6 | 1 |
| 09/20/17 | 09/26/17 9:27 | 1028843 | 1030693 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | ND | ug/L | 0.15 | 0.6 | 1 |
| 09/20/17 | 09/26/17 9:27 | 1028843 | 1030693 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 107 | % | | | 1 |
| 09/20/17 | 09/26/17 9:27 | 1028843 | 1030693 | (EPA 525.2) | Acenaphthene-d10 | 81 | % | | | 1 |
| 09/20/17 | 09/26/17 9:27 | 1028843 | 1030693 | (EPA 525.2) | Chrysene-d12 | 78 | % | | | 1 |
| 09/20/17 | 09/26/17 9:27 | 1028843 | 1030693 | (EPA 525.2) | Perylene-d12 | 90 | % | | | 1 |
| 09/20/17 | 09/26/17 9:27 | 1028843 | 1030693 | (EPA 525.2) | Phenanthrene-d10 | 81 | % | | | 1 |
| **SMBRP-12 (201709150756)** | | | | | | | **Sampled on 09/13/2017 1140** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/20/17 | 09/26/17 9:51 | 1028843 | 1030693 | (EPA 525.2) | Benzo(a)pyrene | ND | ug/L | 0.011 | 0.02 | 1 |
| 09/20/17 | 09/26/17 9:51 | 1028843 | 1030693 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND | ug/L | 0.063 | 0.6 | 1 |
| 09/20/17 | 09/26/17 9:51 | 1028843 | 1030693 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | ND | ug/L | 0.15 | 0.6 | 1 |
| 09/20/17 | 09/26/17 9:51 | 1028843 | 1030693 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 105 | % | | | 1 |
| 09/20/17 | 09/26/17 9:51 | 1028843 | 1030693 | (EPA 525.2) | Acenaphthene-d10 | 77 | % | | | 1 |
| 09/20/17 | 09/26/17 9:51 | 1028843 | 1030693 | (EPA 525.2) | Chrysene-d12 | 80 | % | | | 1 |
| 09/20/17 | 09/26/17 9:51 | 1028843 | 1030693 | (EPA 525.2) | Perylene-d12 | 102 | % | | | 1 |
| 09/20/17 | 09/26/17 9:51 | 1028843 | 1030693 | (EPA 525.2) | Phenanthrene-d10 | 82 | % | | | 1 |

Rounding on totals after summation.
(c) - Indicates calculated results.
ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.

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**Laboratory QC Summary**

**Report:** 686847
**Project:** DRINKING (SP 1711160)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

**Semivolatiles by GCMS**

**Prep Batch: 1028843** **Analytical Batch: 1030693** **Analysis Date: 09/26/2017**

| | | |
|---|---|---|
| 201709150754 | TRAVEL BLANK - Hold | Analyzed by: KAM |
| 201709150755 | MCWP-MW04S | Analyzed by: KAM |
| 201709150756 | SMBRP-12 | Analyzed by: KAM |

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**Report:** 686847
**Project:** DRINKING (SP 1711160)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

| QC Type | Analyte | Native | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|---|---|---|---|---|---|---|---|---|---|
| **Semivolatiles by GCMS by EPA 525.2** | | | | | | | | | |
| **Prep Batch: 1028843 Analytical Batch: 1030693** | | | | | | | **Analysis Date: 09/26/2017** | | |
| LCS1 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| LCS2 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 99.4 | % | 99 | (70-130) | | |
| MBLK | 1,3-Dimethyl-2-nitrobenzene (S) | | | 108 | % | 108 | (70-130) | | |
| MRL_CHK | 1,3-Dimethyl-2-nitrobenzene (S) | | | 106 | % | 106 | (70-130) | | |
| MS_201709200167 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 124 | % | 124 | (70-130) | | |
| MSD_201709200167 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| LCS1 | Acenaphthene-d10 (I) | | | 73.9 | % | 74 | (50-150) | | |
| LCS2 | Acenaphthene-d10 (I) | | | 67.9 | % | 68 | (50-150) | | |
| MBLK | Acenaphthene-d10 (I) | | | 68.9 | % | 69 | (50-150) | | |
| MRL_CHK | Acenaphthene-d10 (I) | | | 93.5 | % | 94 | (50-150) | | |
| MS_201709200167 | Acenaphthene-d10 (I) | | | 58.3 | % | 58 | (50-150) | | |
| MSD_201709200167 | Acenaphthene-d10 (I) | | | 73.2 | % | 73 | (50-150) | | |
| LCS1 | Benzo(a)pyrene | | 2 | 2.15 | ug/L | 107 | (70-130) | | |
| LCS2 | Benzo(a)pyrene | | 2 | 2.07 | ug/L | 103 | (70-130) | 20 | 3.8 |
| MBLK | Benzo(a)pyrene | | | <0.01 | ug/L | | | | |
| MRL_CHK | Benzo(a)pyrene | | 0.02 | 0.0180 | ug/L | 90 | (50-150) | | |
| MS_201709200167 | Benzo(a)pyrene | ND | 2 | 2.08 | ug/L | 104 | (70-130) | | |
| MSD_201709200167 | Benzo(a)pyrene | ND | 2 | 1.90 | ug/L | 95 | (70-130) | 20 | 9.1 |
| LCS1 | Chrysene-d12 (I) | | | 74.6 | % | 75 | (50-150) | | |
| LCS2 | Chrysene-d12 (I) | | | 82.3 | % | 82 | (50-150) | | |
| MBLK | Chrysene-d12 (I) | | | 62.4 | % | 62 | (50-150) | | |
| MRL_CHK | Chrysene-d12 (I) | | | 88.5 | % | 89 | (50-150) | | |
| MS_201709200167 | Chrysene-d12 (I) | | | 70.8 | % | 71 | (50-150) | | |
| MSD_201709200167 | Chrysene-d12 (I) | | | 89.8 | % | 90 | (50-150) | | |
| LCS1 | Di-(2-Ethylhexyl)adipate | | 2 | 2.38 | ug/L | 119 | (70-130) | | |
| LCS2 | Di-(2-Ethylhexyl)adipate | | 2 | 2.29 | ug/L | 115 | (70-130) | 20 | 3.9 |
| MBLK | Di-(2-Ethylhexyl)adipate | | | <0.15 | ug/L | | | | |
| MRL_CHK | Di-(2-Ethylhexyl)adipate | | 0.3 | 0.338 | ug/L | 113 | (50-150) | | |
| MS_201709200167 | Di-(2-Ethylhexyl)adipate | ND | 2 | 2.26 | ug/L | 113 | (70-130) | | |
| MSD_201709200167 | Di-(2-Ethylhexyl)adipate | ND | 2 | 2.26 | ug/L | 113 | (70-130) | 20 | 0.0 |
| LCS1 | Di(2-Ethylhexyl)phthalate | | 2 | 2.46 | ug/L | 123 | (70-130) | | |
| LCS2 | Di(2-Ethylhexyl)phthalate | | 2 | 2.16 | ug/L | 108 | (70-130) | 20 | 13 |
| MBLK | Di(2-Ethylhexyl)phthalate | | | <0.15 | ug/L | | | | |
| MRL_CHK | Di(2-Ethylhexyl)phthalate | | 0.6 | 0.797 | ug/L | 133 | (50-150) | | |
| MS_201709200167 | Di(2-Ethylhexyl)phthalate | ND | 2 | 2.37 | ug/L | 118 | (70-130) | | |

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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**Laboratory QC**

**Report:** 686847
**Project:** DRINKING (SP 1711160)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

| QC Type | Analyte | Native | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|---|---|---|---|---|---|---|---|---|---|
| MSD_201709200167 | Di(2-Ethylhexyl)phthalate | ND | 2 | 2.21 | ug/L | 110 | (70-130) | 20 | 7.0 |
| LCS1 | Perylene-d12 (S) | | | 97.1 | % | 97 | (70-130) | | |
| LCS2 | Perylene-d12 (S) | | | 95.2 | % | 95 | (70-130) | | |
| MBLK | Perylene-d12 (S) | | | 92.0 | % | 92 | (70-130) | | |
| MRL_CHK | Perylene-d12 (S) | | | 91.9 | % | 92 | (70-130) | | |
| MS_201709200167 | Perylene-d12 (S) | | | 68.5 | % | **69** | (70-130) | | |
| MSD_201709200167 | Perylene-d12 (S) | | | 91.2 | % | 91 | (70-130) | | |
| LCS1 | Phenanthrene-d10 (I) | | | 74.4 | % | 74 | (50-150) | | |
| LCS2 | Phenanthrene-d10 (I) | | | 74.9 | % | 75 | (50-150) | | |
| MBLK | Phenanthrene-d10 (I) | | | 67.3 | % | 67 | (50-150) | | |
| MRL_CHK | Phenanthrene-d10 (I) | | | 90.5 | % | 91 | (50-150) | | |
| MS_201709200167 | Phenanthrene-d10 (I) | | | 71.2 | % | 71 | (50-150) | | |
| MSD_201709200167 | Phenanthrene-d10 (I) | | | 85.5 | % | 86 | (50-150) | | |

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

September 29, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711160**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted- Strontium 90 by EPA 905.0 W/7- Day In-Growth

Please note that this analysis was performed by Test America- St. Louis Missouri

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-29

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-24510-1
Client Project/Site: SP 1711160-(2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Rhonda Ridenhower

*Authorized for release by:*
*9/29/2017 12:14:05 PM*

Rhonda Ridenhower, Manager of Project Management
(314)298-8566
rhonda.ridenhower@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 2
Case Narrative . . . . . 3
Chain of Custody . . . . . 5
Receipt Checklists . . . . . 6
Definitions/Glossary . . . . . 7
Method Summary . . . . . 8
Sample Summary . . . . . 9
Client Sample Results . . . . . 10
QC Sample Results . . . . . 11
QC Association Summary . . . . . 12
Tracer Carrier Summary . . . . . 13

## Job ID: 160-24510-1

**Laboratory: TestAmerica St. Louis**

**Narrative**

# CASE NARRATIVE

## Client: FGL Environmental

## Project: SP 1711160-(2-25173)

## Report Number: 160-24510-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

**RECEIPT**

The samples were received on 09/15/2017; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 18.0º C and 18.0º C.

**STRONTIUM-90 (GFPC)**

Samples MCWP-MW04S (160-24510-1), SMBRP-12 (160-24510-2) and MCWP-MW09 (160-24510-3) were analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 09/19/2017 and analyzed on 09/27/2017.

Insufficient sample volume was available to perform a sample duplicate (DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.
MCWP-MW04S (160-24510-1), SMBRP-12 (160-24510-2) and MCWP-MW09 (160-24510-3)

The following samples were reduced due to heavy amounts of sediment making sample murky and brown.SMBRP-12 (160-24510-2) and MCWP-MW09 (160-24510-3)

## Job ID: 160-24510-1 (Continued)

### Laboratory: TestAmerica St. Louis (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Subcontract to
# Test America- St. Louis Missouri

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** Potable(P) Non-Potable(NP) Ag Water(AgW) Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted- Strontium 90 by EPA 905.0 W/7- Day In-Growth |
|---|---|---|---|---|---|---|
| 2 | MCWP-MW04S | 09/13/17 | 08:00 | G | MW | X |
| 4 | SMBRP-12 | 09/13/17 | 11:40 | G | MW | X |
| 7 | MCWP-MW09 | 09/13/17 | 13:20 | G | MW | X |




Remarks:

Relinquished: [signature] Date: 9/14/17 Time: 17:30

Received By: GSO Date: ↓ Time: ↓

Relinquished Date: Time:

Received By: [signature] Date: 9/15/17 Time: ~~10~~ 0900 RMT 9/15/17

Relinquished Date: Time:

Received By: Date: Time:

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 160-24510-1

**Login Number: 24510**
**List Number: 1**
**Creator: Taylor, Kristene N**

**List Source: TestAmerica St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | False | COC not relinquished. |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Definitions/Glossary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Method Summary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 905 | Strontium-90 (GFPC) | EPA | TAL SL |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 160-24510-1 | MCWP-MW04S | Water | 09/13/17 08:00 | 09/15/17 09:00 |
| 160-24510-2 | SMBRP-12 | Water | 09/13/17 11:40 | 09/15/17 09:00 |
| 160-24510-3 | MCWP-MW09 | Water | 09/13/17 13:20 | 09/15/17 09:00 |

## Client Sample ID: MCWP-MW04S

**Lab Sample ID: 160-24510-1**
**Date Collected: 09/13/17 08:00**
**Matrix: Water**
**Date Received: 09/15/17 09:00**

### Method: 905 - Strontium-90 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | 0.571 | | 0.339 | 0.343 | 3.00 | 0.523 | pCi/L | 09/19/17 10:00 | 09/27/17 18:11 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *73.8* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:11* | *1* |
| *Y Carrier* | *101* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:11* | *1* |

## Client Sample ID: SMBRP-12

**Lab Sample ID: 160-24510-2**
**Date Collected: 09/13/17 11:40**
**Matrix: Water**
**Date Received: 09/15/17 09:00**

### Method: 905 - Strontium-90 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | 0.344 | U | 0.309 | 0.310 | 3.00 | 0.498 | pCi/L | 09/19/17 10:00 | 09/27/17 18:11 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *83.4* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:11* | *1* |
| *Y Carrier* | *87.9* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:11* | *1* |

## Client Sample ID: MCWP-MW09

**Lab Sample ID: 160-24510-3**
**Date Collected: 09/13/17 13:20**
**Matrix: Water**
**Date Received: 09/15/17 09:00**

### Method: 905 - Strontium-90 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | -0.00420 | U | 0.225 | 0.225 | 3.00 | 0.402 | pCi/L | 09/19/17 10:00 | 09/27/17 18:11 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *85.0* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:11* | *1* |
| *Y Carrier* | *100* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:11* | *1* |

## Method: 905 - Strontium-90 (GFPC)

**Lab Sample ID: MB 160-327874/1-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | -0.1239 | U | 0.233 | 0.233 | 3.00 | 0.435 | pCi/L | 09/19/17 10:00 | 09/27/17 18:10 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *82.4* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:10* | *1* |
| *Y Carrier* | *99.4* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:10* | *1* |

**Lab Sample ID: LCS 160-327874/2-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | | | 11.2 | 10.01 | | 1.04 | 3.00 | 0.307 | pCi/L | 90 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Sr Carrier* | *91.1* | | *40 - 110* |
| *Y Carrier* | *102* | | *40 - 110* |

**Lab Sample ID: LCSD 160-327874/3-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | | | Spike Added | LCSD Result | LCSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | | | 11.2 | 10.21 | | 1.07 | 3.00 | 0.359 | pCi/L | 91 | 75 - 125 | 0.09 | 1 |

| *Carrier* | *LCSD %Yield* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Sr Carrier* | *89.9* | | *40 - 110* |
| *Y Carrier* | *97.9* | | *40 - 110* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

## Rad

### Prep Batch: 327874

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-24510-1 | MCWP-MW04S | Total/NA | Water | PrecSep-7 | |
| 160-24510-2 | SMBRP-12 | Total/NA | Water | PrecSep-7 | |
| 160-24510-3 | MCWP-MW09 | Total/NA | Water | PrecSep-7 | |
| MB 160-327874/1-A | Method Blank | Total/NA | Water | PrecSep-7 | |
| LCS 160-327874/2-A | Lab Control Sample | Total/NA | Water | PrecSep-7 | |
| LCSD 160-327874/3-A | Lab Control Sample Dup | Total/NA | Water | PrecSep-7 | |

# Tracer/Carrier Summary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

## Method: 905 - Strontium-90 (GFPC)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | Sr (C) (40-110) | Y (40-110) |
| 160-24510-1 | MCWP-MW04S | 73.8 | 101 |
| 160-24510-2 | SMBRP-12 | 83.4 | 87.9 |
| 160-24510-3 | MCWP-MW09 | 85.0 | 100 |
| LCS 160-327874/2-A | Lab Control Sample | 91.1 | 102 |
| LCSD 160-327874/3-A | Lab Control Sample Dup | 89.9 | 97.9 |
| MB 160-327874/1-A | Method Blank | 82.4 | 99.4 |

**Tracer/Carrier Legend**

Sr (C) = Sr Carrier
Y = Y Carrier

October 3, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Amended Subcontract Analysis for FGL Lab No. SP 1711160**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted - Asbestos (Amended to include MDL.)

Please note that this analysis was performed by LA Testing

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-03

Enclosure

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321721950
Customer ID: FGLE25
Customer PO:
Project ID:

**Attn:** Confirmations Log in
FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/13/2017
Received: 09/15/2017
Analyzed: 09/29/2017

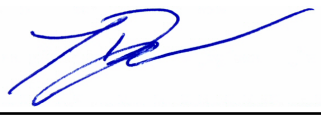
**Proj:** SP 1711160 - (2-225173)

# Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

| Sample ID Client / EMSL | Sample Filtration Date/Time | Original Sample Vol. Filtered (ml) | Effective Filter Area ($mm^2$) | Area Analyzed ($mm^2$) | ASBESTOS Asbestos Types | Fibers Detected | Analytical Sensitivity | Concentration | Confidence Limits |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | MFL (million fibers per liter) | | |
| 2<br>321721950-0001 | 9/14/2017<br>03:20 PM | 5 | 1288 | 0.2560 | None Detected | ND | 1.00 | <1.00 | 0.00 - 3.70 |
| Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached. | | | | | | | | | |
| 4<br>321721950-0002 | 9/14/2017<br>03:20 PM | 5 | 1288 | 0.2560 | None Detected | ND | 1.00 | <1.00 | 0.00 - 3.70 |
| Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached. | | | | | | | | | |
| 7<br>321721950-0003 | 9/14/2017<br>03:20 PM | 5 | 1288 | 0.2560 | None Detected | ND | 1.00 | <1.00 | 0.00 - 3.70 |
| Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached. | | | | | | | | | |

MDL FOR THE TEM EPA 100.2 mETHOD (EPA 600/R-94/134) IS 0.2MFL

Analyst(s)
Sherrie Ahmad (3)



Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Report amended: 10/03/2017 13:23:53 Replaces initial report from:09/29/2017 08:58:22 Reason Code: ADD A COMMENT

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

# Subcontract to LA Testing

#3217219 50

OrderID: 321721950

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s)

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Map Ref.

#3217219 50

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P) |
|---|---|---|---|---|---|---|---|---|---|
| 2 | MCWP-MW04S | 09/13/17 | 08:00 | G | MW | | | | 1 |
| 4 | SMBRP-12 | 09/13/17 | 11:40 | G | MW | | | | 1 |
| 7 | MCWP-MW09 | 09/13/17 | 13:20 | G | MW | | | | 1 |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/13/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | [signature] FE | 9/14/17 | 0930 | | | |

5.4°C

October 6, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711160**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-06

Enclosure

October 05, 2017

**Vista Work Order No. 1701258**

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 15, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1711160-(2-25173)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Karen J. Volpendesta for

Martha Maier
Laboratory Director

*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 ph: 916-673-1520 fx: 916-673-0106 www.vista-analytical.com

**Vista Work Order No. 1701258**
**Case Narrative**

**Sample Condition on Receipt:**

Three monitoring well samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

**Analytical Notes:**

**EPA Method 1613B**

These samples were extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613B using a ZB-5MS GC column.

Holding Times

These samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS


Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 11

Certifications..... 12

Sample Receipt..... 15

# Sample Inventory Report

| Vista Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 1701258-01 | MCWP-MW04S | 13-Sep-17 08:00 | 15-Sep-17 10:00 | Amber Glass NM Bottle, 1L |
| 1701258-02 | SMBRP-12 | 13-Sep-17 11:40 | 15-Sep-17 10:00 | Amber Glass NM Bottle, 1L |
| 1701258-03 | MCWP-MW09 | 13-Sep-17 13:20 | 15-Sep-17 10:00 | Amber Glass NM Bottle, 1L |

## ANALYTICAL RESULTS

**Sample ID: Method Blank** — **EPA Method 1613B**

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B7I0161 | Lab Sample: | B7I0161-BLK1 |
| Sample Size: | 1.00 L | Date Extracted: | 29-Sep-2017 10:00 | Date Analyzed : | 03-Oct-17 17:18 Column: ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 5.00 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 88.7 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 100 | 42 - 164 | |

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

| **Sample ID:** | **OPR** | | | | **EPA Method 1613B** |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B7I0161 | Lab Sample: | B7I0161-BS1 |
| Sample Size: | 1.00 L | Date Extracted: | 29-Sep-2017 10:00 | Date Analyzed: | 03-Oct-17 15:41 Column: ZB-5MS |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits |
|---|---|---|---|---|
| 2,3,7,8-TCDD | 191 | 200 | 95.4 | 73 - 146 |

| | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 95.5 | 25 - 141 |
| CRS | 37Cl-2,3,7,8-TCDD | 111 | 37 - 158 |

LCL-UCL - Lower control limit - upper control limit

## Sample ID: MCWP-MW04S

**EPA Method 1613B**

**Client Data**

Name: FGL Environmental, Inc.
Project: SP 1711160-(2-25173)
Date Collected: 13-Sep-2017 8:00

**Sample Data**

Matrix: Monitoring Well
Sample Size: 1.04 L

**Laboratory Data**

Lab Sample: 1701258-01 Date Received: 15-Sep-2017 10:00
QC Batch: B7I0161 Date Extracted: 29-Sep-2017 10:00
Date Analyzed : 04-Oct-17 11:37 Column: ZB-5MS

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 4.81 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 84.4 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 108 | 42 - 164 | |

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

## Sample ID: SMBRP-12

**EPA Method 1613B**

| Client Data | | Sample Data | | Laboratory Data | | | |
|---|---|---|---|---|---|---|---|
| Name: | FGL Environmental, Inc. | Matrix: | Monitoring Well | Lab Sample: | 1701258-02 | Date Received: | 15-Sep-2017 10:00 |
| Project: | SP 1711160-(2-25173) | Sample Size: | 1.02 L | QC Batch: | B7I0161 | Date Extracted: | 29-Sep-2017 10:00 |
| Date Collected: | 13-Sep-2017 11:40 | | | Date Analyzed : | 04-Oct-17 12:25 | Column: | ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 4.88 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 87.9 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 113 | 42 - 164 | |

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

## Sample ID: MCWP-MW09

**EPA Method 1613B**

**Client Data**

Name: FGL Environmental, Inc.
Project: SP 1711160-(2-25173)
Date Collected: 13-Sep-2017 13:20

**Sample Data**

Matrix: Monitoring Well
Sample Size: 1.02 L

**Laboratory Data**

Lab Sample: 1701258-03 Date Received: 15-Sep-2017 10:00
QC Batch: B7I0161 Date Extracted: 29-Sep-2017 10:00
Date Analyzed : 04-Oct-17 15:33 Column: ZB-5MS

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 4.88 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 87.3 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 109 | 42 - 164 | |

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| **B** | **This compound was also detected in the method blank.** |
| **D** | **Dilution** |
| **E** | **The associated compound concentration exceeded the calibration range of the instrument.** |
| **H** | **Recovery and/or RPD was outside laboratory acceptance limits.** |
| **I** | **Chemical Interference** |
| **J** | **The amount detected is below the Reporting Limit/LOQ.** |
| **M** | **Estimated Maximum Possible Concentration. (CA Region 2 projects only)** |
| ***** | **See Cover Letter** |
| **Conc.** | **Concentration** |
| **NA** | **Not applicable** |
| **ND** | **Not Detected** |
| **TEQ** | **Toxic Equivalency** |
| **U** | **Not Detected (specific projects only)** |

**Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.**

## CERTIFICATIONS

| Accrediting Authority | Certificate Number |
|---|---|
| Arkansas Department of Environmental Quality | 17-015-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005 | 3091.01 |
| Florida Department of Health | E87777-18 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2016026 |
| Minnesota Department of Health | 1175673 |
| New Hampshire Environmental Accreditation Program | 207716 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Oregon Laboratory Accreditation Program | 4042-008 |
| Pennsylvania Department of Environmental Protection | 013 |
| Texas Commission on Environmental Quality | T104704189-17-8 |
| Virginia Department of General Services | 8621 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

## NELAP Accredited Test Methods

| MATRIX: Air | |
|---|---|
| **Description of Test** | **Method** |
| Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans | EPA 23 |

| MATRIX: Biological Tissue | |
|---|---|
| **Description of Test** | **Method** |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613B |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS | EPA 1699 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

| MATRIX: Drinking Water | |
|---|---|
| **Description of Test** | **Method** |
| 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS | EPA 1613 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |

| MATRIX: Non-Potable Water | |
|---|---|
| **Description of Test** | **Method** |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613B |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS | EPA 1699 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Dioxin by GC/HRMS | EPA 613 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

| MATRIX: Solids | |
|---|---|
| **Description of Test** | **Method** |
| Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613 |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope | EPA 1613B |

| | |
|---|---|
| Dilution GC/HRMS | |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

# Subcontract to
# Vista Analytical Laboratory

1701258, 2.7°C

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT) |
|---|---|---|---|---|---|---|---|---|---|
| 2 | MCWP-MW04S | 09/13/17 | 08:00 | G | MW | | | | 1 |
| 4 | SMBRP-12 | 09/13/17 | 11:40 | G | MW | | | | 1 |
| 7 | MCWP-MW09 | 09/13/17 | 13:20 | G | MW | | | | 1 |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/14/17 | 17:30 | GSO | 9/15/17 | 1000 | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | [signature] | 9/15/17 | 1010 | | | |

Vista Analytical Laboratory

# Sample Log-in Checklist

**Vista Work Order #:** 1701258 **TAT** Std

| | | | |
|---|---|---|---|
| **Samples Arrival:** | **Date/Time** 09/15/17 1000 | **Initials:** SR | **Location:** WR-2 **Shelf/Rack:** N/A |
| **Logged In:** | **Date/Time** 09/15/17 1633 | **Initials:** SR | **Location:** WR-2 **Shelf/Rack:** A1 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Delivered By:** | FedEx | UPS | On Trac | (GSO) | DHL | Hand Delivered | Other |
| **Preservation:** | (Ice) | | Blue Ice | | Dry Ice | | None |

| | | |
|---|---|---|
| **Temp °C:** 2.6 (uncorrected) | **Time:** 1002 | **Thermometer ID:** IR-1 |
| **Temp °C:** 2.7 (corrected) | **Probe used:** Yes☐ No☐ | |

| | YES | NO | NA |
|---|---|---|---|
| Adequate Sample Volume Received? 1 Liter each | ✓ | | |
| Holding Time Acceptable? | ✓ | | |
| Shipping Container(s) Intact? | ✓ | | |
| Shipping Custody Seals Intact? | | | ✓ |
| Shipping Documentation Present? | ✓ | | |
| Airbill Trk # 537616007 | ✓ | | |
| Sample Container Intact? | ✓ | | |
| Sample Custody Seals Intact? | | | ✓ |
| Chain of Custody / Sample Documentation Present? | ✓ | | |
| COC Anomaly/Sample Acceptance Form completed? | | ✓ | ✓ |
| If Chlorinated or Drinking Water Samples, Acceptable Preservation? | | | ✓ |
| Preservation Documented: $Na_2S_2O_3$ Trizma None | Yes | (No) | (NA) |
| Shipping Container: Vista (Client) Retain Return | Dispose | | |

*Comments:* SMBRP-12 ⊛ Sample container label received ripped but legible Sample ID
SR 9/18/17

October 24, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analyses for FGL Lab No. SP 1711160**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-EstradiolPharma Positive:Caffiene, DEET, SucralosePharma Negative: Triclosan
- Sub Contracted-EPA 1625M NDMA

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-24

Enclosure

WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

**Work Orders:** 7I15015

**Project:** SP 1711160- (2-25173)

**Attn:** Cindy Aguirre

**Client:** FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

**Report Date:** 10/24/2017

**Received Date:** 9/15/2017

**Turnaround Time:** Normal

**Phones:** (805) 392-2012

**Fax:** (805) 525-4172

**P.O. #:**

**Billing Code:**

Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/15/17 with the Chain-of-Custody document. The samples were received in good condition, at 2.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

## Sample Results

Sample: MCWP-MW04S — Sampled: 09/13/17 8:00 by Matt P/Ryan S

7I15015-01 (Water)

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Method:** EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr | | | | | | | |
| N-Nitrosodimethylamine | ND | 0.50 | 2.0 | ng/l | 1 | 09/20/17 00:04 | |
| **Method:** EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan | | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | 1 | 10/04/17 04:12 | |
| **Method:** EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan | | | | | | | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | 1 | 09/29/17 05:16 | |
| **Method:** EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan | | | | | | | |
| **Caffeine** | **9.2** | 0.31 | 1.0 | ng/l | 1 | 10/21/17 09:48 | |
| **DEET** | **5.9** | 0.060 | 1.0 | ng/l | 1 | 10/14/17 17:27 | |
| **Sucralose** | **72** | 5.0 | 5.0 | ng/l | 1 | 10/21/17 09:48 | |



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## Sample Results

(Continued)

Sample: SMBRP-12 — Sampled: 09/13/17 11:40 by Matt P/Ryan S

7I15015-02 (Water)

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Method:** EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr | | | | | | | |
| **N-Nitrosodimethylamine** | **1.9** | 0.50 | 2.0 | ng/l | 1 | 09/20/17 00:32 | J |
| **Method:** EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan | | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | 1 | 10/04/17 04:52 | |
| **Method:** EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan | | | | | | | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | 1 | 09/29/17 05:47 | |
| **Method:** EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan | | | | | | | |
| **Caffeine** | **2.4** | 0.31 | 1.0 | ng/l | 1 | 10/21/17 10:21 | |
| **DEET** | **6.4** | 0.060 | 1.0 | ng/l | 1 | 10/14/17 18:00 | |
| **Sucralose** | **88** | 5.0 | 5.0 | ng/l | 1 | 10/21/17 10:21 | |

Sample: MCWP-MW09 — Sampled: 09/13/17 13:20 by Matt P/Ryan S

7I15015-03 (Water)

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Method:** EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr | | | | | | | |
| **N-Nitrosodimethylamine** | **0.85** | 0.50 | 2.0 | ng/l | 1 | 09/20/17 01:00 | J |
| **Method:** EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan | | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | 1 | 10/04/17 01:50 | |
| **Method:** EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan | | | | | | | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | 1 | 09/29/17 03:28 | |
| **Method:** EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan | | | | | | | |
| **Caffeine** | **0.78** | 0.31 | 1.0 | ng/l | 1 | 10/21/17 10:54 | J |
| **DEET** | **1.1** | 0.060 | 1.0 | ng/l | 1 | 10/14/17 18:33 | |
| **Sucralose** | **11** | 5.0 | 5.0 | ng/l | 1 | 10/21/17 10:54 | |



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## Quality Control Results

### Nitrosamines by isotopic dilution GC/MS CI Mode

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I0922-BLK1)** | | | | | **Prepared: 09/18/17 Analyzed: 09/19/17** | | | | | | |
| N-Nitrosodimethylamine | ND | 0.50 | 2.0 | ng/l | | | | | | | |
| **LCS (W7I0922-BS1)** | | | | | **Prepared: 09/18/17 Analyzed: 09/19/17** | | | | | | |
| N-Nitrosodimethylamine | 2.86 | 0.50 | 2.0 | ng/l | 3.00 | | 95 | 50-150 | | | |
| **LCS Dup (W7I0922-BSD1)** | | | | | **Prepared: 09/18/17 Analyzed: 09/19/17** | | | | | | |
| N-Nitrosodimethylamine | 3.25 | 0.50 | 2.0 | ng/l | 3.00 | | 108 | 50-150 | 13 | 50 | |

### PPCPs - Pharmaceuticals by LC/MSMS-ESI+

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1387-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/14/17** | | | | | | |
| DEET | 0.980 | 0.060 | 1.0 | ng/l | | | | | | | J |
| **Blank (W7I1387-BLK2)** | | | | | **Prepared: 09/25/17 Analyzed: 10/21/17** | | | | | | |
| Caffeine | 0.325 | 0.31 | 1.0 | ng/l | | | | | | | QC-2, J |
| Sucralose | ND | 5.0 | 5.0 | ng/l | | | | | | | QC-2 |
| **LCS (W7I1387-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/14/17** | | | | | | |
| DEET | 11.9 | 0.060 | 1.0 | ng/l | 10.0 | | 119 | 45-135 | | | |
| **LCS (W7I1387-BS2)** | | | | | **Prepared: 09/25/17 Analyzed: 10/21/17** | | | | | | |
| Caffeine | 10.7 | 0.31 | 1.0 | ng/l | 10.0 | | 107 | 55-152 | | | QC-2 |
| Sucralose | 62.1 | 5.0 | 5.0 | ng/l | 50.0 | | 124 | 50-150 | | | QC-2 |
| **LCS Dup (W7I1387-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/14/17** | | | | | | |
| DEET | 13.5 | 0.060 | 1.0 | ng/l | 10.0 | | 135 | 45-135 | 13 | 30 | |
| **LCS Dup (W7I1387-BSD2)** | | | | | **Prepared: 09/25/17 Analyzed: 10/21/17** | | | | | | |
| Caffeine | 12.6 | 0.31 | 1.0 | ng/l | 10.0 | | 126 | 55-152 | 16 | 30 | QC-2 |
| Sucralose | 74.9 | 5.0 | 5.0 | ng/l | 50.0 | | 150 | 50-150 | 19 | 30 | QC-2 |



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## Quality Control Results

(Continued)

### PPCPs - Pharmaceuticals by LC/MSMS-ESI-

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1389-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 3.11 | 0.27 | 1.0 | ng/l | | | | | | | B |
| Diclofenac | ND | 0.26 | 1.0 | ng/l | | | | | | | |
| Gemfibrozil | ND | 0.080 | 1.0 | ng/l | | | | | | | |
| Ibuprofen | ND | 0.39 | 1.0 | ng/l | | | | | | | |
| Iopromide | ND | 1.8 | 5.0 | ng/l | | | | | | | |
| Naproxen | ND | 0.25 | 1.0 | ng/l | | | | | | | |
| Salicylic Acid | 21.1 | 0.86 | 50 | ng/l | | | | | | | J |
| Triclosan | ND | 1.2 | 2.0 | ng/l | | | | | | | |
| **LCS (W7I1389-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 15.8 | 0.27 | 1.0 | ng/l | 10.0 | | 158 | 53-168 | | | |
| Diclofenac | 24.6 | 0.26 | 1.0 | ng/l | 10.0 | | 246 | 37-218 | | | Q-08 |
| Gemfibrozil | 12.1 | 0.080 | 1.0 | ng/l | 10.0 | | 121 | 76-122 | | | |
| Ibuprofen | 19.8 | 0.39 | 1.0 | ng/l | 10.0 | | 198 | 67-139 | | | Q-08 |
| Iopromide | 63.3 | 1.8 | 5.0 | ng/l | 50.0 | | 127 | 0.1-163 | | | |
| Naproxen | 16.7 | 0.25 | 1.0 | ng/l | 10.0 | | 167 | 64-138 | | | Q-08 |
| Salicylic Acid | 124 | 0.86 | 50 | ng/l | 100 | | 124 | 56-229 | | | |
| Triclosan | 12.1 | 1.2 | 2.0 | ng/l | 10.0 | | 121 | 76-139 | | | |
| **LCS Dup (W7I1389-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 16.2 | 0.27 | 1.0 | ng/l | 10.0 | | 162 | 53-168 | 3 | 30 | |
| Diclofenac | 22.3 | 0.26 | 1.0 | ng/l | 10.0 | | 223 | 37-218 | 10 | 30 | Q-08 |
| Gemfibrozil | 11.9 | 0.080 | 1.0 | ng/l | 10.0 | | 119 | 76-122 | 2 | 30 | |
| Ibuprofen | 18.0 | 0.39 | 1.0 | ng/l | 10.0 | | 180 | 67-139 | 10 | 30 | Q-08 |
| Iopromide | 57.4 | 1.8 | 5.0 | ng/l | 50.0 | | 115 | 0.1-163 | 10 | 30 | |
| Naproxen | 16.8 | 0.25 | 1.0 | ng/l | 10.0 | | 168 | 64-138 | 0.6 | 30 | Q-08 |
| Salicylic Acid | 125 | 0.86 | 50 | ng/l | 100 | | 125 | 56-229 | 0.8 | 30 | |
| Triclosan | 11.9 | 1.2 | 2.0 | ng/l | 10.0 | | 119 | 76-139 | 2 | 30 | |

### PPCPs - Hormones by LC/MSMS-APCI

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1388-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | | | | | | | |
| **LCS (W7I1388-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | 11.9 | 0.31 | 1.0 | ng/l | 10.0 | | 119 | 65-146 | | | |
| **LCS Dup (W7I1388-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | 11.8 | 0.31 | 1.0 | ng/l | 10.0 | | 118 | 65-146 | 0.8 | 30 | |



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## Notes and Definitions

| Item | Definition |
|---|---|
| B | Blank contamination. The analyte was found in the associated blank as well as in the sample. |
| J | Estimated conc. detected <MRL and >MDL. |
| Q-08 | High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit. |
| QC-2 | This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date. |
| ND | NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL. |
| Dil | Dilution |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| % Rec | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |
| MDL | Method Detection Limit |
| MRL | The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR) |
| MDA | Minimum Detectable Activity |
| NR | Not Reportable |
| TIC | Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown. |

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

**Reviewed by:**

Regina Giancola
Project Manager

**DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015 ● SCAQMD #93LA1006**

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*



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WECK LABORATORIES, INC.

# Sample Receipt

**WORK ORDER:** 7I15015
**Client:** FGL Environmental
**Project:** FGL Environmental

**Printed:** 9/18/2017 5:03:36PM
**Project Manager:** Regina Giancola
**Project Number:** SP 1711160- (2-25173)

**Report To:**
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

**Invoice To:**
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

**Date Due:** 09/29/17 09:00 (10 day TAT)
**Received By:** Lester K. Abad
**Logged In By:** Lester K. Abad

**Date Received:** 09/15/17 08:10
**Date Logged In:** 09/15/17 10:01

| | | | | | |
|---|---|---|---|---|---|
| Samples Received at: | **2.4°C** | | | | |
| All containers intact: | **Yes** | Sample labels & COC agree | **Yes** | Sufficient holding time for all tests | **Yes** |
| Custody Seals | **No** | Samples preserved properly | **Yes** | Received on Ice | **Yes** |
| Chain of custody completed | **Yes** | Sample volume sufficient | **Yes** | Appropriate sample containers | **Yes** |

## Samples

| Analysis | Expires | Analysis Comments |
|---|---|---|
| **7I15015-01 Sample Name: MCWP-MW04S [Water] Sampled 9/13/2017 08:00** | | |
| NDMA | 09/20/17 08:00 | SEE COC |
| PPCP Hormones | 10/11/17 08:00 | SEE COC |
| PPCP Pharma-Negative | 10/11/17 08:00 | SEE COC |
| PPCP Pharma-Positive | 10/11/17 08:00 | SEE COC |
| **7I15015-02 Sample Name: SMBRP-12 [Water] Sampled 9/13/2017 11:40** | | |
| NDMA | 09/20/17 11:40 | SEE COC |
| PPCP Hormones | 10/11/17 11:40 | SEE COC |
| PPCP Pharma-Negative | 10/11/17 11:40 | SEE COC |
| PPCP Pharma-Positive | 10/11/17 11:40 | SEE COC |
| **7I15015-03 Sample Name: MCWP-MW09 [Water] Sampled 9/13/2017 13:20** | | |
| NDMA | 09/20/17 13:20 | SEE COC |
| PPCP Hormones | 10/11/17 13:20 | SEE COC |
| PPCP Pharma-Negative | 10/11/17 13:20 | SEE COC |
| PPCP Pharma-Positive | 10/11/17 13:20 | SEE COC |

Regina Giancola — 9/18/2017

Authorized Signature — Date

**Note:**
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.



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# Subcontract to
# Weck Laboratories, Inc.

7I15015

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** 8oz(P) | Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 8oz(P) | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | MCWP-MW04S | 09/13/17 | 08:00 | G | MW | | | | 1 | 1 | |
| 4 | SMBRP-12 | 09/13/17 | 11:40 | G | MW | | | | 1 | 1 | |
| 7 | MCWP-MW09 | 09/13/17 | 13:20 | G | MW | | | | 1 | 1 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/14/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | | | | 9-15-17 | 8:10 | | | |

2.4C

September 21, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

SP 1711220:6, 9, 11 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

System Number :
Project Name : Malibu WWTP - Baseline GWM

## Sample Handling Information

| ID | Sample Number | Sample Description | Sample Type/Reason | Sampled By | Employed By | Sampled | Started | Finished |
|---|---|---|---|---|---|---|---|---|
| 1 | SP 1711220-006 | MCWP-07D | Source-Other | Matt P./Ryan S. | Not Available | 09/14/2017 08:55 | 09/14/2017 15:36 lmm | 09/18/2017 lmm |
| 2 | SP 1711220-009 | LAMW-5S | Source-Other | Matt P./Ryan S. | Not Available | 09/14/2017 12:25 | 09/14/2017 15:38 lmm | 09/17/2017 lmm |
| 3 | SP 1711220-011 | MCWP-MW10 | Source-Other | Matt P./Ryan S. | Not Available | 09/14/2017 11:20 | 09/14/2017 15:40 lmm | 09/17/2017 lmm |

## Analytical Results

| ID | Sample Description | Chlorine Total/Free | Temp °C | Method | Units | Total | Fecal | E. Coli | Person Notified ‡ | Date ‡ Notified | Time ‡ Notified | Foot Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MCWP-07D | --- | --- | SM 9221B | MPN/100ml | 13 PRESENT | <1.8 ABSENT | --- | N/R | | | |
| 2 | LAMW-5S | --- | --- | SM 9221B | MPN/100ml | >1600 PRESENT | 170 PRESENT | --- | N/R | | | |
| 3 | MCWP-MW10 | --- | --- | SM 9221B | MPN/100ml | 17 PRESENT | <1.8 ABSENT | --- | N/R | | | |

N/R Not Required. MPN Most Probable Number A/P Absence/Presence ‡ Client Notification details.

Analyses were performed using Standard Methods 21st edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-09-21



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
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3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1711220
Customer : 2-25173

## Laboratory Report

**Introduction:** This report package contains total of 66 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (7 pages) | : An overview of the work performed at FGL. |
| Sample Results | (20 pages) | : Results for each sample submitted. |
| Quality Control | (39 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab ID # | Matrix |
|---|---|---|---|---|
| Travel Blank | 09/14/2017 | 09/14/2017 | SP 1711220-000 | LBW |
| MCWP-07D | 09/14/2017 | 09/14/2017 | SP 1711220-006 | MW |
| MCWP-MW09 | 09/14/2017 | 09/14/2017 | SP 1711220-007 | MW |
| LAMW-5S | 09/14/2017 | 09/14/2017 | SP 1711220-009 | MW |
| MCWP-MW10 | 09/14/2017 | 09/14/2017 | SP 1711220-011 | MW |
| MCWP-MW06 | 09/14/2017 | 09/14/2017 | SP 1711220-016 | MW |

**Sampling and Receipt Information:** All samples were received, prepared and analyzed within the method specified holding except those as listed in the table below.

| Lab ID | Analyte/Method | Required Holding Time | Actual Holding Time |
|---|---|---|---|
| SP 1711220-006 | Chlorine, Total | 15 | 36184.8 Minutes |
| SP 1711220-006 | Odor | 24 | 44.08 Hours |

All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to the following tables:

### Inorganic - Metals QC

| | |
|---|---|
| 200.7 | 09/15/2017:213964 All analysis quality controls are within established criteria. |
| | 09/17/2017:213973 All analysis quality controls are within established criteria. |



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October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Inorganic - Metals QC

| | |
|---|---|
| 200.7 | 09/15/2017:211114 All preparation quality controls are within established criteria. |
| 200.8 | 09/19/2017:214164 All analysis quality controls are within established criteria, except:<br>The following note applies to Beryllium:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/20/2017:214239 All analysis quality controls are within established criteria. |
| 245.1 | 09/29/2017:214696 All analysis quality controls are within established criteria. |
| | 09/29/2017:211748 All preparation quality controls are within established criteria. |
| 3010 | 09/18/2017:211156 All preparation quality controls are within established criteria, except:<br>The following note applies to Aluminum:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

## Organic QC

| | |
|---|---|
| 504 | 09/20/2017:211319 All preparation quality controls are within established criteria, except:<br>The following note applies to 1,3-Dibromopropane:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 504.1 | 09/22/2017:214159 All analysis quality controls are within established criteria. |
| 505 | 09/21/2017:214160 All analysis quality controls are within established criteria, except:<br>The following note applies to Tetrachloro-m-xylene:<br>362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| | 09/20/2017:211318 All preparation quality controls are within established criteria. |
| 507 | 09/29/2017:214644 All analysis quality controls are within established criteria. |
| | 09/26/2017:211540 All preparation quality controls are within established criteria. |
| 515.3 | 09/25/2017:214317 All analysis quality controls are within established criteria. |
| | 09/21/2017:211389 All preparation quality controls are within established criteria, except:<br>The following note applies to 2,4,5-TP (Silvex):<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

## Organic QC

| | |
|---|---|
| 524.2 | 09/21/2017:214473 All analysis quality controls are within established criteria, except:<br>The following note applies to 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,3-Dichloropropane, 1,4-Dichlorobenzene, Bromomethane (Methyl Bromide:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/21/2017:211560 All preparation quality controls are within established criteria, except:<br>The following note applies to Trichlorotrifluoroethane F-113:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane(TCA), 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, Trichlorotriflu:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 531.1 | 09/15/2017:212156 All analysis quality controls are within established criteria. |
| | 09/14/2017:211066 All preparation quality controls are within established criteria. |
| 5310C | 09/20/2017:214222 All analysis quality controls are within established criteria. |
| | 09/20/2017:211306 All preparation quality controls are within established criteria. |
| 548.1 | 09/22/2017:214244 All analysis quality controls are within established criteria. |
| | 09/19/2017:211274 All preparation quality controls are within established criteria. |
| 549 | 09/19/2017:211268 All preparation quality controls are within established criteria, except:<br>The following note applies to Diquat Dibromide:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 549.2 | 09/26/2017:214477 All analysis quality controls are within established criteria. |
| 552 | 09/22/2017:211426 All preparation quality controls are within established criteria. |
| 552.2 | 09/23/2017:214323 All analysis quality controls are within established criteria, except:<br>The following note applies to 2,3-Dibromopropionic Acid:<br>362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| 608/8081 | 09/22/2017:214242 All analysis quality controls are within established criteria. |
| | 09/18/2017:211160 All preparation quality controls are within established criteria, except:<br>The following note applies to Tetrachloro-m-xylene:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Organic QC

| | |
|---|---|
| 624 | 09/14/2017:214550 All analysis quality controls are within established criteria, except:<br>The following note applies to Acrylonitrile:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/14/2017:211554 All preparation quality controls are within established criteria, except:<br>The following note applies to 2-Chloroethylvinyl ether, Acrylonitrile, Chloroform, Freon-11, Chloroethane (Ethyl Chloride):<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to 2-Chloroethylvinyl ether:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 625 | 09/27/2017:214621 All analysis quality controls are within established criteria, except:<br>The following note applies to 4-Nitrophenol, Dibenzo(a,h)anthracene, 3,3-Dichlorobenzidine, Indeno(1,2,3-c,d)pyrene, Pyridine:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/21/2017:211355 All preparation quality controls are within established criteria. |
| 625P | 09/22/2017:214486 All analysis quality controls are within established criteria. |
| | 09/20/2017:211298 All preparation quality controls are within established criteria, except:<br>The following note applies to Beta BHC, Tetrachloro-m-xylene:<br>436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Alpha BHC, alpha-Chlordane, Aldrin, Beta BHC, cis_Nonachlor, Delta BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfa:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |

## Radio QC

| | |
|---|---|
| 900.0 | 10/13/2017:215586 All analysis quality controls are within established criteria. |
| | 10/11/2017:212249 All preparation quality controls are within established criteria. |
| 903.0 | 09/28/2017:214650 All analysis quality controls are within established criteria. |
| | 09/24/2017:211451 All preparation quality controls are within established criteria. |
| 906.0 | 09/17/2017:213990 All analysis quality controls are within established criteria. |
| | 09/16/2017:211140 All preparation quality controls are within established criteria. |
| 908.0 | 09/29/2017:214757 All analysis quality controls are within established criteria. |

## Radio QC

| | |
|---|---|
| 908.0 | 09/25/2017:211488 All preparation quality controls are within established criteria. |
| Ra - 05 | 10/05/2017:215053 All analysis quality controls are within established criteria. |
| | 10/01/2017:211578 All preparation quality controls are within established criteria. |
| SM7110C | 10/03/2017:214934 All analysis quality controls are within established criteria. |
| | 09/28/2017:211691 All preparation quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 1664A | 09/21/2017:211359 All preparation quality controls are within established criteria. |
| 2120B | 09/16/2017:213960 All analysis quality controls are within established criteria. |
| | 09/16/2017:211145 All preparation quality controls are within established criteria. |
| 2130B | 09/16/2017:213950 All analysis quality controls are within established criteria. |
| | 09/16/2017:211139 All preparation quality controls are within established criteria. |
| 2150B | 09/16/2017:211117 All preparation quality controls are within established criteria. |
| 218.6 | 09/18/2017:214067 All analysis quality controls are within established criteria. |
| | 09/18/2017:211232 All preparation quality controls are within established criteria. |
| 2320B | 09/15/2017:213953 All analysis quality controls are within established criteria. |
| | 09/15/2017:211084 All preparation quality controls are within established criteria, except:<br>The following note applies to Alkalinity (as CaCO3), Bicarbonate:<br>440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 2510B | 09/15/2017:213887 All analysis quality controls are within established criteria. |
| | 09/15/2017:211087 All preparation quality controls are within established criteria. |
| 2540CE | 09/15/2017:211113 All preparation quality controls are within established criteria. |
| | 09/18/2017:211119 All preparation quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 2540D | 09/21/2017:211390 All preparation quality controls are within established criteria. |
| 300.0 | 09/15/2017:214205 All analysis quality controls are within established criteria. |
| | 09/14/2017:211314 All preparation quality controls are within established criteria. |
| 314.0 | 09/29/2017:214809 All analysis quality controls are within established criteria. |
| | 09/29/2017:212052 All preparation quality controls are within established criteria. |
| 351.2 | 09/28/2017:211649 All preparation quality controls are within established criteria. |
| 4500ClG | 10/09/2017:215175 All analysis quality controls are within established criteria. |
| | 10/09/2017:212128 All preparation quality controls are within established criteria. |
| 4500CNCE | 09/21/2017:214193 All analysis quality controls are within established criteria. |
| | 09/20/2017:211253 All preparation quality controls are within established criteria. |
| 4500NH3G | 09/15/2017:213889 All analysis quality controls are within established criteria. |
| | 09/15/2017:211082 All preparation quality controls are within established criteria, except:<br>The following note applies to Ammonia Nitrogen:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 4500NO2F | 09/15/2017:211124 All preparation quality controls are within established criteria. |
| 4500NO3F | 09/15/2017:213927 All analysis quality controls are within established criteria. |
| | 09/15/2017:213928 All analysis quality controls are within established criteria. |
| | 09/15/2017:211123 All preparation quality controls are within established criteria. |
| 4500-P B | 09/25/2017:211523 All preparation quality controls are within established criteria. |
| 4500PE | 09/25/2017:214428 All analysis quality controls are within established criteria. |
| 5210B | 09/20/2017:214314 All analysis quality controls are within established criteria. |
| | 09/15/2017:211094 All preparation quality controls are within established criteria, except:<br>The following note applies to BOD:<br>440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 5540C | 09/15/2017:214073 All analysis quality controls are within established criteria. |
| | 09/15/2017:211244 All preparation quality controls are within established criteria. |
| EPA351.2 | 09/29/2017:214676 All analysis quality controls are within established criteria. |

**Certification::** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2017-10-17

October 17, 2017

Lab ID : SP 1711220-000
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 14, 2017-09:20
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Lab. Blank Water

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 103 | 70-130 | | % | 1.0015 | | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-02:21SBL |
| DBCP | ND | 0.01 | 0.0057 | ug/L | 1.0015 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-02:21SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 1.0015 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-02:21SBL |

**DQF Flags Definition:**
U Constituent results were non-detect.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.



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October 17, 2017

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Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-07D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-006
Customer ID : 2-25173

Sampled On : September 14, 2017-08:55
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Mineral** | | | | | | | | | | | | |
| Total Hardness as CaCO3 | 1040 | 2.5 | 0.0065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Calcium | 202 | 1 | 0.0065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Magnesium | 131 | 1 | 0.0037 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Potassium | 3.56 | 1 | 0.065 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Sodium | 251 | 1 | 0.27 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Total Cations | 31.9 | 0.1 | 0.0065 | meq/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Boron | 0.465 | 0.05 | 0.0050 | mg/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213973-IT203 | 09/17/17-12:06AC |
| Copper | 2.23 | 10 | 1.2 | ug/L | 1 | J | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Iron | 68.4 | 50 | 5.0 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Manganese | 440 | 10 | 0.099 | ug/L | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Zinc | 5.08 | 20 | 1.0 | ug/L | 1 | J | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| SAR | 3.38 | 0.1 | 0.0065 | -- | 1 | | 200.7 | 211114 | 09/15/17 13:21 | 200.7 | 213964-IT203 | 09/15/17-18:39AC |
| Total Alkalinity (as CaCO3) | 498 | 10 | 1.1 | mg/L | 1 | I | 2320B | 211084 | 09/15/17 03:00 | 2320B | 213953-MT201 | 09/15/17-11:20AMB |
| Hydroxide as OH | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211084 | 09/15/17 03:00 | 2320B | 213953-MT201 | 09/15/17-11:20AMB |
| Carbonate as CO3 | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211084 | 09/15/17 03:00 | 2320B | 213953-MT201 | 09/15/17-11:20AMB |
| Bicarbonate as HCO3 | 608 | 10 | 1.1 | mg/L | 1.000 | I | 2320B | 211084 | 09/15/17 03:00 | 2320B | 213953-MT201 | 09/15/17-11:20AMB |
| Sulfate | 600 | 6 | 0.015 | mg/L | 6 | b | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-06:08MCA |
| Chloride | 262 | 6 | 0.0045 | mg/L | 6 | | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-06:08MCA |
| Nitrate as NO3 | 0.0690 | 0.4 | 0.0032 | mg/L | 1 | J | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-02:14MCA |
| Nitrite as N | ND | 0.1 | 0.0010 | mg/L | 1 | U | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-02:14MCA |



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## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Nitrate + Nitrite as N | 0.0200 | 0.1 | 0.0032 | mg/L | 1 | J | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-02:14MCA |
| Fluoride | 0.400 | 0.1 | 0.0021 | mg/L | 1 | | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-02:14MCA |
| Total Anions | 29.9 | 0.1 | 0.010 | meq/L | 1.000 | IbJ | 2320B | 211084 | 09/15/17 03:00 | 2320B | 213953-MT201 | 09/15/17-11:20AMB |
| pH | 7.25 | -- | 0.010 | units | 1 | | 4500-H B | 211258 | 09/14/17 08:55 | 4500HB | 214086-CL000 | 09/14/17-08:55MP/RS |
| Specific Conductance | 2630 | 1 | 0.16 | umhos/cm | 1 | b | 2510B | 211087 | 09/15/17 07:24 | 2510B | 213887-EC205 | 09/15/17-11:24JMG |
| Total Dissolved Solids | 1860 | 40 | 5.8 | mg/L | 1 | b | 2540CE | 211113 | 09/15/17 15:48 | 2540C | 213966-WT219 | 09/18/17-05:43AMB |
| MBAS (foaming agents) | Negative | 0.1 | | mg/L | 1 | U | 5540C | 211244 | 09/15/17 11:00 | 5540C | 214073-JMG | 09/15/17-11:15jmg |
| Aggressiveness Index | 12.7 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/14/17 08:55 | 4500HB | 214086-CL000 | 09/14/17-08:55MP/RS |
| Langelier Index (20°C) | 0.7 | 1 | 0.010 | -- | 1 | bI | 4500-H B | 211258 | 09/14/17 08:55 | 4500HB | 214086-CL000 | 09/14/17-08:55MP/RS |
| Nitrate Nitrogen | 0.0200 | 0.1 | 0.00080 | mg/L | 1 | J | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-02:14MCA |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | 0.0260 | 0.01 | 0.000050 | mg/L | 1 | l | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Antimony | 0.000273 | 0.001 | 0.000044 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Arsenic | 0.00207 | 0.002 | 0.000047 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-18:30AC |
| Barium | 0.0605 | 0.0002 | 0.000026 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Beryllium | ND | 0.0002 | 0.000043 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Cadmium | 0.000288 | 0.0002 | 0.000031 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Chromium | 0.000618 | 0.001 | 0.000066 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Copper | 0.00443 | 0.001 | 0.000071 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Lead | 0.0120 | 0.0002 | 0.000013 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Mercury | 0.00000581 | 0.00001 | .0000021 | mg/L | 1 | J | 245.1 | 211748 | 09/29/17 07:00 | 245.1 | 214696-HG204 | 09/29/17-13:35AC |
| Nickel | 0.00854 | 0.001 | 0.000040 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-18:30AC |
| Selenium | 0.00506 | 0.002 | 0.00017 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-18:30AC |
| Silver | 0.0000430 | 0.00025 | 0.000022 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Thallium | ND | 0.0002 | 0.000018 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| Chromium III | 0.000395 | 0.001 | 0.000066 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-16:52AC |
| **Wet Chemistry** | | | | | | | | | | | | |
| BOD | 0.8 | 2 | 0.19 | mg/L | 1 | JI | 5210B | 211094 | 09/15/17 11:11 | 5210B | 214314-O2205 | 09/20/17-10:16kmm |
| Chlorine, Total | ND | 0.1 | 0.017 | mg/L | 1 | UT | 4500ClG | 212128 | 10/09/17 12:00 | 4500ClG | 215175-UV205 | 10/09/17-12:57AMM |
| Chromium VI | 0.223 | 0.1 | 0.012 | ug/L | 1 | | 218.6 | 211232 | 09/18/17 14:30 | 218.6 | 214067-IC209 | 09/18/17-19:41JDD |

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Color | <5.00 | 5 | 0.0 | units | 1 | U | 2120B | 211145 | 09/16/17 07:50 | 2120B | 213960-JMG | 09/16/17-08:00jmg |
| Cyanide, Total | ND | 0.01 | 0.0010 | mg/L | 1 | U | 4500CNCE | 211253 | 09/20/17 11:26 | 4500CNCE | 214193-UV205 | 09/21/17-11:00AMM |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | JhU | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-05:38AMB |
| Ammonia Nitrogen | 0.168 | 0.2 | 0.072 | mg/L | 1 | Jh | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-05:38AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.19 | mg/L | 1 | U | 351.2 | 211649 | 09/28/17 08:19 | EPA351.2 | 214676-FI206 | 09/29/17-09:18AMB |
| Nitrogen, Total as Nitrogen | ND | 0.5 | 0.19 | mg/L | 1 | UJ | 351.2 | 211649 | 09/28/17 08:19 | EPA351.2 | 214676-FI206 | 09/29/17-09:18AMB |
| Nitrate + Nitrite as N | 0.0200 | 0.1 | 0.0032 | mg/L | 1 | J | 300.0 | 211314 | 09/14/17 17:50 | 300.0 | 214205-IC210 | 09/15/17-02:14MCA |
| Kjeldahl Nitrogen | ND | 0.5 | 0.19 | mg/L | 1 | U | 351.2 | 211649 | 09/28/17 08:19 | EPA351.2 | 214676-FI206 | 09/29/17-09:18AMB |
| Odor | ND | 1 | 0.0 | TON | 1 | UT | 2150B | 211117 | 09/16/17 05:00 | 2150B | 213951-AMB | 09/16/17-05:47AMB |
| Oil and Grease | ND | 3.3 | 1.5 | mg/L | 1.0989 | U | 1664A | 211359 | 09/21/17 10:10 | 1664A | 214298-WT215 | 09/22/17-11:37CTL |
| Phosphorus, Total | 0.181 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211523 | 09/25/17 15:30 | 4500PE | 214428-UV205 | 09/25/17-17:12SJN |
| Solids, Total Suspended (TSS) | 2.04 | 1.1 | 0.49 | mg/L | 1.0753 | | 2540D | 211390 | 09/21/17 17:00 | 2540D | 214231-WT215 | 09/22/17-10:40jba |
| Turbidity | 0.403 | 0.2 | 0.048 | NTU | 1 | | 2130B | 211139 | 09/16/17 05:00 | 2130B | 213950-TR203 | 09/16/17-05:45AMB |
| Perchlorate | ND | 2 | 0.29 | ug/L | 1 | U | 314.0 | 212052 | 09/29/17 11:41 | 314.0 | 214809-IC207 | 09/29/17-20:01MCA |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| I | Reported value is estimated due to RPD exceedance. |
| T | Exceeded method-specific holding time. |

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-07D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-006
Customer ID : 2-25173

Sampled On : September 14, 2017-08:55
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 130 | 70-130 | | % | 0.99328 | | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-02:46SBL |
| DBCP | ND | 0.0099 | 0.0057 | ug/L | 0.99328 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-02:46SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 0.99328 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-02:46SBL |
| **EPA 505** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 88.8 | 70-130 | | % | 1 | | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Alachlor | ND | 0.2 | 0.13 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Aldrin | ND | 0.01 | 0.0040 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Chlordane | ND | 0.1 | 0.041 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Dieldrin | ND | 0.01 | 0.0024 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Endrin | ND | 0.01 | 0.0054 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Heptachlor | ND | 0.01 | 0.0026 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Heptachlor Epoxide | ND | 0.01 | 0.0046 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Hexachlorobenzene | ND | 0.01 | 0.0031 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Hexachlorocyclopentadiene | ND | 0.1 | 0.027 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Lindane (Gamma BHC) | ND | 0.05 | 0.0049 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Methoxychlor | ND | 0.1 | 0.0098 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| Toxaphene | ND | 0.5 | 0.11 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| PCB 1016 | ND | 0.5 | 0.13 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| PCB 1221 | ND | 0.5 | 0.067 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| PCB 1232 | ND | 0.5 | 0.073 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 505** | | | | | | | | | | | | |
| PCB 1242 | ND | 0.5 | 0.14 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| PCB 1248 | ND | 0.5 | 0.15 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| PCB 1254 | ND | 0.5 | 0.026 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| PCB 1260 | ND | 0.5 | 0.12 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:02SBL |
| **EPA 507** | | | | | | | | | | | | |
| Triphenylphosphate‡ | 29.4 | 70-130 | | % | 0.93458 | L | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Alachlor | ND | 0.93 | 0.16 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Atrazine | ND | 0.93 | 0.14 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Bromacil | ND | 1.9 | 0.12 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Butachlor | ND | 0.93 | 0.21 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Diazinon | ND | 1.9 | 0.18 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Dimethoate | ND | 1.9 | 0.089 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Metolachlor | ND | 0.93 | 0.41 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Metribuzin | ND | 0.47 | 0.24 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Molinate | ND | 1.9 | 0.13 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Prometryne | ND | 1.9 | 0.095 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Propachlor | ND | 0.93 | 0.12 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Simazine | ND | 0.93 | 0.16 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Thiobencarb | ND | 0.93 | 0.15 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| Cyanazine | ND | 0.93 | 0.11 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-02:37SG |
| **EPA 515** | | | | | | | | | | | | |
| 2,4-DCAA‡ | 100 | 70-130 | | % | 1 | | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| Bentazon | ND | 2 | 0.45 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| 2,4-D | ND | 2 | 0.90 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| Dalapon | ND | 10 | 3.5 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| Dicamba | ND | 1 | 0.29 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| Dinoseb | ND | 1 | 0.49 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| Pentachlorophenol | ND | 0.2 | 0.10 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| Picloram | ND | 1 | 0.18 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| 2,4,5-TP (Silvex) | ND | 1 | 0.32 | ug/L | 1 | Ul | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 515** | | | | | | | | | | | | |
| 2,4,5-T | ND | 1 | 0.42 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:13SG |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 91.5 | 70-130 | | % | 1 | | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,2-Dichlorobenzene-d4‡ | 92.0 | 70-130 | | % | 1 | | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Chloroform | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Methyl tert-Butyl Ether (MTBE) | 0.392 | 1 | 0.091 | ug/L | 1 | J | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Trichloroethylene | ND | 0.5 | 0.060 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | Uh | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| Total Trihalomethanes | ND | --- | --- | ug/L | 1 | U | 524.2 | 211560 | 09/21/17 08:00 | 524.2 | 214473-GM215 | 09/21/17-18:33VRG |
| **EPA 531.1** | | | | | | | | | | | | |
| Aldicarb | ND | 3 | 0.15 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:59SG |
| Aldicarb Sulfone | ND | 2 | 0.31 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:59SG |
| Aldicarb Sulfoxide | ND | 3 | 0.68 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:59SG |
| Carbaryl | ND | 5 | 0.36 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:59SG |
| Carbofuran | ND | 5 | 1.1 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:59SG |
| 3-Hydroxycarbofuran | ND | 10 | 1.8 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:59SG |
| Methomyl | ND | 5 | 0.56 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:59SG |
| Oxamyl | ND | 5 | 1.4 | ug/L | 1 | U | 531.1 | 211066 | 09/14/17 16:10 | 531.1 | 212156-LC204 | 09/15/17-16:59SG |
| **EPA 548.1** | | | | | | | | | | | | |
| Endothall | ND | 40 | 16 | ug/L | 1 | U | 548.1 | 211274 | 09/19/17 15:28 | 548.1 | 214244-GC220 | 09/22/17-01:38SG |
| **EPA 549** | | | | | | | | | | | | |
| Diquat | ND | 2 | 0.12 | ug/L | 1 | U | 549 | 211268 | 09/19/17 14:11 | 549.2 | 214477-LC204 | 09/26/17-13:59SG |
| **EPA 552.2** | | | | | | | | | | | | |
| 2,3-Dibromopropionic Acid‡ | 95.9 | 70-130 | | % | 1 | | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-04:49SBL |
| Bromoacetic Acid | ND | 1 | 0.55 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-04:49SBL |
| Chloroacetic Acid | ND | 2 | 0.28 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-04:49SBL |
| Dibromoacetic Acid | 0.541 | 1 | 0.25 | ug/L | 1 | J | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-04:49SBL |
| Dichloroacetic Acid | ND | 1 | 0.57 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-04:49SBL |
| Trichloroacetic Acid | ND | 1 | 0.39 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-04:49SBL |
| Haloacetic acids (five) | ND | --- | --- | ug/L | 1 | UJ | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-04:49SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 608** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 56.1 | 15-143 | | % | 0.93458 | | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| Chlordane | ND | 1.9 | 0.025 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| PCB 1016 | ND | 0.47 | 0.13 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| PCB 1221 | ND | 0.47 | 0.19 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| PCB 1232 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| PCB 1242 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| PCB 1248 | ND | 0.47 | 0.056 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| PCB 1254 | ND | 0.47 | 0.086 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| PCB 1260 | ND | 0.47 | 0.11 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| Toxaphene | ND | 1.9 | 0.044 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:13SBL |
| **EPA 624** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 108 | 70-161 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Fluorobenzene‡ | 99.7 | 72-139 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Pentafluorobenzene‡ | 110 | 59-151 | | % | 1 | f | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Acetone | ND | 50 | 7.2 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Acrylonitrile | ND | 2 | 0.85 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Benzene | ND | 0.5 | 0.13 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Bromodichloromethane | ND | 0.5 | 0.089 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Bromoform | ND | 1 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Bromomethane | ND | 0.5 | 0.25 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Chloromethane | ND | 0.5 | 0.36 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 2-Butanone (MEK) | ND | 10 | 0.83 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Carbon Disulfide | ND | 5 | 0.26 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Chlorobenzene | ND | 0.5 | 0.036 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Chloroethane | ND | 0.5 | 0.37 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 2-Chloroethylvinyl ether | ND | 10 | 0.14 | ug/L | 1 | Ufh | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Chloroform | ND | 0.5 | 0.045 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Dibromochloromethane | ND | 0.5 | 0.078 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 624** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.026 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.11 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.063 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.044 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.49 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| trans-1,2-Dichloroethylene | ND | 1 | 0.12 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.094 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.10 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| trans-1,3-Dichloropropene | ND | 1 | 0.035 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Ethyl Benzene | ND | 0.5 | 0.046 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 2-Hexanone | ND | 5 | 0.46 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | 0.29 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Methylene Chloride | ND | 0.5 | 0.24 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.081 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Styrene | ND | 0.5 | 0.059 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.076 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Tetrachloroethylene | ND | 0.5 | 0.056 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Toluene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.053 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.033 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Trichloroethylene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Trichlorofluoromethane | ND | 1.5 | 0.15 | ug/L | 1 | Ufl | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Vinyl Acetate | ND | 100 | 0.15 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Vinyl Chloride | ND | 0.5 | 0.17 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Xylenes m,p | ND | 0.5 | 0.084 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Xylenes o | ND | 0.5 | 0.062 | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |
| Xylenes | ND | --- | --- | ug/L | 1 | Uf | 624 | 211554 | 09/14/17 08:00 | 624 | 214550-GM214 | 09/14/17-17:54VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 2-Fluorobiphenyl‡ | 54.0 | 29-98 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2-Fluorophenol‡ | 59.5 | 23-105 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Nitrobenzene-d5‡ | 55.6 | 23-104 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Phenol-d6‡ | 57.0 | 26-102 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| p-Terphenyl-d14‡ | 46.6 | 29-93 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2,4,6-Tribromophenol‡ | 58.0 | 34-116 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Acenaphthene | ND | 0.93 | 0.50 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Acenaphthylene | ND | 0.93 | 0.39 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Anthracene | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Benzidine | ND | 9.3 | 1.8 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Benzo(a)anthracene | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Benzo(a)pyrene | ND | 0.93 | 0.40 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Benzo(b)fluoranthene | ND | 0.93 | 0.37 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Benzo(g,h,i)perylene | ND | 0.93 | 0.40 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Benzo(k)fluoranthene | ND | 0.93 | 0.50 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| bis(2-Chloroethoxy)methane | ND | 0.93 | 0.56 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| bis(2-Chloroethyl)ether | ND | 0.93 | 0.52 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| bis(2-Chloroisopropyl)ether | ND | 0.93 | 0.53 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| bis(2-Ethylhexyl)phthalate | ND | 1.9 | 0.41 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 4-Bromophenylphenylether | ND | 0.93 | 0.46 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Butylbenzylphthalate | ND | 1.9 | 0.29 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 4-Chloro-3-methylphenol | ND | 1.9 | 0.86 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2-Chloronaphthalene | ND | 0.93 | 0.63 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2-Chlorophenol | ND | 1.9 | 1.0 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 4-Chlorophenylphenylether | ND | 0.93 | 0.62 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Chrysene | ND | 0.93 | 0.51 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Dibenzo(a,h)anthracene | ND | 0.93 | 0.37 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 1,2-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 1,3-Dichlorobenzene | ND | 0.93 | 0.45 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 1,4-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2,4-Dichlorophenol | ND | 1.9 | 0.79 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Diethylphthalate | ND | 0.93 | 0.34 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2,4-Dimethylphenol | ND | 1.9 | 0.76 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Dimethylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Di-n-butylphthalate | ND | 1.9 | 0.35 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 4,6-Dinitro-2-methylphenol | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2,4-Dinitrophenol | ND | 4.7 | 0.22 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2,4-Dinitrotoluene | ND | 0.93 | 0.49 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2,6-Dinitrotoluene | ND | 0.93 | 0.55 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Di-n-octylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 1,2-Diphenylhydrazine | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Fluoranthene | ND | 0.93 | 0.44 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Fluorene | ND | 0.93 | 0.62 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Hexachlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Hexachlorobutadiene | ND | 0.93 | 0.45 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Hexachlorocyclopentadiene | ND | 0.93 | 0.24 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Hexachloroethane | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Indeno(1,2,3-c,d)pyrene | ND | 0.93 | 0.38 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Isophorone | ND | 0.93 | 0.41 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Naphthalene | ND | 0.93 | 0.55 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Nitrobenzene | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 4-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| N-Nitrosodimethylamine | ND | 1.9 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| N-Nitrosodi-n-propylamine | ND | 0.93 | 0.53 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| N-Nitrosodiphenylamine | ND | 0.93 | 0.74 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Pentachlorophenol | ND | 1.9 | 0.91 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Phenanthrene | ND | 0.93 | 0.018 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Phenol | ND | 0.93 | 0.88 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| Pyrene | ND | 0.93 | 0.46 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| Pyridine | ND | 9.3 | 0.32 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 1,2,4-Trichlorobenzene | ND | 0.93 | 0.48 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2,4,6-Trichlorophenol | ND | 0.93 | 0.90 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| 2,4,5-Trichlorophenol | ND | 1.9 | 1.2 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-18:35SBL |
| **EPA 625 Pest** | | | | | | | | | | | | |
| Aldrin | ND | 4.7 | 0.91 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Alpha BHC | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Beta BHC | ND | 4.7 | 1.5 | ng/L | 0.93458 | UL | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Delta BHC | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Lindane (Gamma BHC) | ND | 4.7 | 3.7 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| alpha-Chlordane | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| gamma-Chlordane | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| o,p - DDD | ND | 4.7 | 0.54 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| o,p - DDE | ND | 4.7 | 0.35 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| o,p - DDT | ND | 4.7 | 0.95 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| p,p'-DDD | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| p,p'-DDE | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| p,p'-DDT | ND | 4.7 | 4.1 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Dieldrin | ND | 4.7 | 1.5 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Endosulfan I | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Endosulfan II | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Endosulfan Sulfate | ND | 4.7 | 1.2 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Endrin | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Endrin Aldehyde | ND | 4.7 | 1.9 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Endrin Ketone | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Heptachlor | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Heptachlor Epoxide | ND | 4.7 | 0.77 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Methoxychlor | ND | 4.7 | 0.46 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| cis_Nonachlor | ND | 47 | 1.6 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 625 Pest** | | | | | | | | | | | | |
| trans-Nonachlor | ND | 47 | 1.2 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| Tetrachloro-m-xylene‡ | 77.9 | 26-90 | | % | 0.93458 | | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/22/17-23:48SG |
| **TOC** | | | | | | | | | | | | |
| TOC | 1.75 | 0.5 | 0.15 | mg/L | 1 | | 5310C | 211306 | 09/20/17 10:39 | 5310C | 214222-TC203 | 09/20/17-21:14AMM |

**DQF Flags Definition:**

| | |
|---|---|
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| f | MS/MSD QC requirement met by BS/BSD due to limited sample volume. |

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-07D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-006
Customer ID : 2-25173

Sampled On : September 14, 2017-08:55
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

## Sample Result - Radio

| Constituent | Result ± Error | MDA | Units | MCL/AL | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Radio Chemistry** | | | | | | | | | | | |
| Gross Alpha | 8.26 ± 2.21 | 1.11 | pCi/L | 15 | | SM7110C | 211691 | 09/28/17 17:40 | SM7110C | 214934-GP209 | 10/03/17-16:50RMM |
| Gross Beta | 8.08 ± 2.66 | 3.41 | pCi/L | 50 | | 900.0 | 212249 | 10/11/17 13:30 | 900.0 | 215586-GP220 | 10/13/17-23:55aat |
| Total Alpha Radium (226) | 0.197 ± 0.167 | 0.363 | pCi/L | 3 | | 903.0 | 211451 | 09/24/17 11:00 | 903.0 | 214650-GP215 | 09/28/17-12:15aat |
| Tritium | 498 ± 272 | 434 | pCi/L | 20000 | | 906.0 | 211140 | 09/16/17 05:47 | 906.0 | 213990-LS202 | 09/17/17-05:36elc |
| Uranium | 13.1 ± 2.65 | 0.470 | pCi/L | 20 | | 908.0 | 211488 | 09/25/17 11:02 | 908.0 | 214757-GP216 | 09/29/17-17:15aat |
| Ra 228 | 0.000 ± 0.691 | 0.506 | pCi/L | 2 | | Ra - 05 | 211578 | 10/01/17 14:00 | Ra - 05 | 215053-GP218 | 10/05/17-20:30emv |

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW09
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-007
Customer ID : 2-25173

Sampled On : September 14, 2017-11:50
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

## Sample Result - Support

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | | | | | | | | |
| pH (Field) | 7.70 | | | units | 1 | | | | 09/14/17 11:50 | 4500-H B | | 09/14/17 11:50 |

ND=Non-Detected. PQL=Practical Quantitation Limit.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : LAMW-5S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-009
Customer ID : 2-25173

Sampled On : September 14, 2017-12:25
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

## Sample Result - Support

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Field Test** | | | | | | | | | | | | |
| pH (Field) | 7.12 | | | units | 1 | | | | 09/14/17 12:25 | 4500-H B | | 09/14/17 12:25 |

ND=Non-Detected. PQL=Practical Quantitation Limit.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
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3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
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9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW10
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-011
Customer ID : 2-25173

Sampled On : September 14, 2017-11:20
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0800 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 211123 | 09/15/17 13:00 | 4500NO3F | 213928-FI207 | 09/15/17-15:22JDD |
| Nitrite Nitrogen | 0.0180 | 0.1 | 0.011 | mg/L | 1 | J | 4500NO2F | 211124 | 09/15/17 13:00 | 4500NO3F | 213927-FI207 | 09/15/17-15:19JDD |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-06:06AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | Uh | 4500NH3G | 211082 | 09/15/17 03:00 | 4500NH3G | 213889-FI207 | 09/15/17-06:06AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.19 | mg/L | 1 | U | 351.2 | 211649 | 09/28/17 08:19 | EPA351.2 | 214676-FI206 | 09/29/17-09:19AMB |
| Phosphorus, Total | 0.0843 | 0.1 | 0.020 | mg/L | 1 | J | 4500-P B | 211523 | 09/25/17 15:30 | 4500PE | 214428-UV205 | 09/25/17-17:13SJN |
| Total Dissolved Solids (TFR) | 6720 | 51 | 5.8 | mg/L | 2.55 | b | 2540CE | 211119 | 09/18/17 12:19 | 2540C | 214054-WT219 | 09/19/17-05:15AMB |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| h | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |

ND=Non-Detected. PQL=Practical Quantitation Limit.



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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
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CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

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Chico, CA 95926
TEL: (530)343-5818
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San Luis Obispo, CA 93401
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9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
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CA ELAP Certification No. 2810

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW06
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-016
Customer ID : 2-25173

Sampled On : September 14, 2017-10:40
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 0.0800 | 0.1 | 0.032 | mg/L | 1 | J | 4500NO3F | 211123 | 09/15/17 13:00 | 4500NO3F | 213928-FI207 | 09/15/17-15:24JDD |
| Total Dissolved Solids (TFR) | 1630 | 20 | 5.8 | mg/L | 1 | b | 2540CE | 211119 | 09/18/17 12:19 | 2540C | 214054-WT219 | 09/19/17-05:24AMB |

**DQF Flags Definition:**

b The Blank was detected above method MDL for constituent but less than the PQL

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
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3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
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**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
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October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dibromoethane(EDB) | 504 | 09/20/17:211319SBL | Blank | ug/L | | ND | <0.02 | |
| | | | LCS | ug/L | 0.2623 | 106 % | 70-130 | |
| | | | LCS | ug/L | 0.2472 | 102 % | 70-130 | |
| | | | MS | ug/L | 0.2527 | 107 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.2593 | 110 % | 70-130 | |
| | | | MSRPD | ug/L | 0.6086 | 5.5% | ≤30 | |
| | | | QMDL | ug/L | 0.02001 | 110 % | 60-140 | |
| 1,3-Dibromopropane | 504 | 09/20/17:211319SBL | Blank | ug/L | 0.5987 | 101 % | 70-130 | |
| | | | LCS | ug/L | 0.6157 | 129 % | 70-130 | |
| | | | LCS | ug/L | 0.5803 | 112 % | 70-130 | |
| | | | MS | ug/L | 0.5930 | 122 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.6086 | 133 % | 70-130 | 435 |
| | | | MSRPD | ug/L | 0.6086 | 11.8% | ≤30 | |
| | | | QMDL | ug/L | 0.5913 | 113 % | 70-130 | |
| DBCP | 504 | 09/20/17:211319SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.2623 | 120 % | 70-130 | |
| | | | LCS | ug/L | 0.2472 | 110 % | 70-130 | |
| | | | MS | ug/L | 0.2527 | 73.1 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.2593 | 128 % | 70-130 | |
| | | | MSRPD | ug/L | 0.6086 | 17.5% | ≤30 | |
| | | | QMDL | ug/L | 0.02001 | 121 % | 60-140 | |
| 13DBP | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 9.975 | 126 % | 70-130 | |
| | | | CCV | ug/L | 7.481 | 101 % | 70-130 | |
| DBCP | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 5.000 | 117 % | 70-130 | |
| | | | CCV | ug/L | 2.000 | 86.0 % | 70-130 | |
| EDB | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 5.000 | 101 % | 70-130 | |
| | | | CCV | ug/L | 2.000 | 81.0 % | 70-130 | |
| Alachlor | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 5.865 | 123 % | 84-135 | |
| | | | BS | ug/L | 5.834 | 108 % | 73-137 | |
| | | | BSD | ug/L | 5.910 | 110 % | 73-137 | |
| | | | BSRPD | ug/L | 1.183 | 2.9% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 150.0 | 104 % | 70-130 | |
| | | | CCV | ug/L | 100.0 | 108 % | 70-130 | |
| Aldrin | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.075 | |
| | | | LCS | ug/L | 0.5865 | 98.7 % | 69-134 | |
| | | | BS | ug/L | 0.5834 | 99.0 % | 21-166 | |
| | | | BSD | ug/L | 0.5910 | 97.5 % | 21-166 | |
| | | | BSRPD | ug/L | 1.183 | 0.2% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 100 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 95.1 % | 70-130 | |
| Chlordane | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.1 | |
| Dieldrin | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 95.6 % | 82-131 | |
| | | | BS | ug/L | 0.5834 | 92.0 % | 66-141 | |
| | | | BSD | ug/L | 0.5910 | 91.2 % | 66-141 | |
| | | | BSRPD | ug/L | 1.183 | 0.4% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 93.3 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 95.1 % | 70-130 | |
| Endrin | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 92.5 % | 83-120 | |
| | | | BS | ug/L | 0.5834 | 84.5 % | 58-134 | |
| | | | BSD | ug/L | 0.5910 | 84.1 % | 58-134 | |
| | | | BSRPD | ug/L | 1.183 | 0.8% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 87.9 % | 70-130 | |



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853 Corporation Street
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Visalia, CA 93291
TEL: (559)734-9473
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October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Endrin | 505 | 09/21/17:214160SBL | CCV | ug/L | 10.00 | 87.3 % | 70-130 | |
| Heptachlor | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 98.3 % | 71-131 | |
| | | | BS | ug/L | 0.5834 | 97.9 % | 73-135 | |
| | | | BSD | ug/L | 0.5910 | 96.6 % | 73-135 | |
| | | | BSRPD | ug/L | 1.183 | 0.0% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 101 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 93.6 % | 70-130 | |
| Heptachlor Epoxide | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 93.6 % | 75-129 | |
| | | | BS | ug/L | 0.5834 | 89.7 % | 65-134 | |
| | | | BSD | ug/L | 0.5910 | 89.5 % | 65-134 | |
| | | | BSRPD | ug/L | 1.183 | 1.0% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 91.5 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 93.3 % | 70-130 | |
| Hexachlorobenzene | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 97.3 % | 69-134 | |
| | | | BS | ug/L | 0.5834 | 91.2 % | 71-136 | |
| | | | BSD | ug/L | 0.5910 | 92.4 % | 71-136 | |
| | | | BSRPD | ug/L | 1.183 | 2.5% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 99.2 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 91.8 % | 70-130 | |
| Hexachlorocyclopentadiene | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 0.5865 | 98.7 % | 48-144 | |
| | | | BS | ug/L | 0.5834 | 91.9 % | 60-152 | |
| | | | BSD | ug/L | 0.5910 | 95.9 % | 60-152 | |
| | | | BSRPD | ug/L | 1.183 | 5.7% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 105 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 93.1 % | 70-130 | |
| Lindane | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5865 | 126 % | 76-131 | |
| | | | BS | ug/L | 0.5834 | 120 % | 72-132 | |
| | | | BSD | ug/L | 0.5910 | 118 % | 72-132 | |
| | | | BSRPD | ug/L | 1.183 | 0.3% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 123 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 121 % | 70-130 | |
| Methoxychlor | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 2.933 | 95.3 % | 73-137 | |
| | | | BS | ug/L | 2.917 | 88.6 % | 59-145 | |
| | | | BSD | ug/L | 2.955 | 90.1 % | 59-145 | |
| | | | BSRPD | ug/L | 1.183 | 2.9% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 75.00 | 88.0 % | 70-130 | |
| | | | CCV | ug/L | 50.00 | 92.5 % | 70-130 | |
| PCB 1016/1242 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1221 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1232 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1242 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1248 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1254 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1260 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| Tetrachloro-m-xylene | 505 | 09/20/17:211318SBL | Blank | ug/L | 1.188 | 86.1 % | 70-130 | |
| | | | LCS | ug/L | 1.174 | 103 % | 70-130 | |
| | | | BS | ug/L | 1.168 | 101 % | N/A | |
| | | | BSD | ug/L | 1.183 | 95.5 % | N/A | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Tetrachloro-m-xylene | 505 | 09/20/17:211318SBL | BSRPD | ug/L | 1.183 | 4.5% | ≤30.0 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 20.02 | 158 % | 70-130 | 362 |
| | | | CCV | ug/L | 10.01 | 187 % | 70-130 | 362 |
| Toxaphene | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| Alachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 91.8 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 98.4 % | 47-147 | |
| | | | BSD | ug/L | 2.500 | 110 % | 47-147 | |
| | | | BSRPD | ug/L | 12.50 | 0.29 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 90.4 % | 80-120 | |
| Atrazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 95.9 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 101 % | 52-154 | |
| | | | BSD | ug/L | 2.500 | 94.5 % | 52-154 | |
| | | | BSRPD | ug/L | 12.50 | 0.17 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 89.0 % | 80-120 | |
| Bromacil | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 99.5 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 38-170 | |
| | | | BSD | ug/L | 2.500 | 81.6 % | 38-170 | |
| | | | BSRPD | ug/L | 12.50 | 0.79 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| Butachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.38 | |
| | | | LCS | ug/L | 2.500 | 84.2 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 96.3 % | 37-150 | |
| | | | BSD | ug/L | 2.500 | 93.5 % | 37-150 | |
| | | | BSRPD | ug/L | 12.50 | 2.9% | ≤53.8 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 94.8 % | 80-120 | |
| Cyanazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 97.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 41-152 | |
| | | | BSD | ug/L | 2.500 | 90.5 % | 41-152 | |
| | | | BSRPD | ug/L | 12.50 | 21.9% | ≤30 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 114 % | 80-120 | |
| Diazinon | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 83.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 89.1 % | 56-128 | |
| | | | BSD | ug/L | 2.500 | 94.0 % | 56-128 | |
| | | | BSRPD | ug/L | 12.50 | 0.12 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 93.3 % | 80-120 | |
| Dimethoate | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 83.1 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 90.8 % | 49-168 | |
| | | | BSD | ug/L | 2.500 | 81.0 % | 49-168 | |
| | | | BSRPD | ug/L | 12.50 | 0.25 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| EPN/Triphenylphosphate | 507 | 09/26/17:211540caa | Blank | ug/L | 12.50 | 75.2 % | 70-130 | |
| | | | LCS | ug/L | 12.50 | 73.0 % | 70-130 | |
| | | | BS | ug/L | 12.50 | 92.2 % | 70-130 | |
| | | | BSD | ug/L | 12.50 | 74.4 % | 70-130 | |
| | | | BSRPD | ug/L | 12.50 | 21.3% | ≤30 | |
| Metolachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 94.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 101 % | 45-154 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Metolachlor | 507 | 09/26/17:211540caa | BSD | ug/L | 2.500 | 89.5 % | 45-154 | |
| | | | BSRPD | ug/L | 12.50 | 0.28 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| Metribuzin | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 81.6 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 87.3 % | 30-169 | |
| | | | BSD | ug/L | 2.500 | 85.3 % | 30-169 | |
| | | | BSRPD | ug/L | 12.50 | 0.049 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 91.6 % | 80-120 | |
| Molinate | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 107 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 19-191 | |
| | | | BSD | ug/L | 2.500 | 108 % | 19-191 | |
| | | | BSRPD | ug/L | 12.50 | 0.12 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 84.7 % | 80-120 | |
| Prometryne | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 91.4 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 99.8 % | 44-152 | |
| | | | BSD | ug/L | 2.500 | 84.0 % | 44-152 | |
| | | | BSRPD | ug/L | 12.50 | 0.39 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 95.2 % | 80-120 | |
| Propachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 95.2 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 96.5 % | 36-179 | |
| | | | BSD | ug/L | 2.500 | 98.7 % | 36-179 | |
| | | | BSRPD | ug/L | 12.50 | 0.056 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 88.8 % | 80-120 | |
| Simazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 99.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 105 % | 49-167 | |
| | | | BSD | ug/L | 2.500 | 89.7 % | 49-167 | |
| | | | BSRPD | ug/L | 12.50 | 0.38 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 100 % | 80-120 | |
| Thiobencarb | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 94.9 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 95.4 % | 50-148 | |
| | | | BSD | ug/L | 2.500 | 81.9 % | 50-148 | |
| | | | BSRPD | ug/L | 12.50 | 0.34 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 85.6 % | 80-120 | |
| Triphenylphosphate | 507 | 09/29/17:214644SG | CCV | ug/L | 2500 | 115 % | 80-120 | |
| 2,4,5-T | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 87.9 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 76.6 % | 70-130 | |
| 2,4,5-TP (Silvex) | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 75.7 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 67.4 % | 70-130 | 435 |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 74.8 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.30 | ≤1 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 75.6 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 73.8 % | 70-130 | |
| 2,4,5-Trichlorophenoxyacetic A | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 96.6 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 78.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 86.6 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.35 | ≤1 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,4-D | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 8.000 | 120 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 81.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 88.7 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.62 | ≤2 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 116 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 73.9 % | 70-130 | |
| 2,4-DCAA | 515.3 | 09/21/17:211389SG | Blank | ug/L | 20.00 | 87.7 % | 70-130 | |
| | | | LCS | ug/L | 20.00 | 97.2 % | 70-130 | |
| | | | MS | ug/L | 20.00 | 75.6 % | N/A | |
| | | (SP 1711160-002) | MSD | ug/L | 20.00 | 81.5 % | N/A | |
| | | | MSRPD | ug/L | 20.00 | 7.6% | ≤30. | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 200.0 | 86.8 % | 70-130 | |
| | | | CCV | ug/L | 400.0 | 75.1 % | 70-130 | |
| Bentazon | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 8.000 | 82.9 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 71.9 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 77.8 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.47 | ≤2 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 87.0 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 81.4 % | 70-130 | |
| Dalapon | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 52.00 | 85.8 % | 70-130 | |
| | | | MS | ug/L | 52.00 | 87.4 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 52.00 | 101 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 7.0 | ≤10 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 520.0 | 98.4 % | 70-130 | |
| | | | CCV | ug/L | 1040 | 90.9 % | 70-130 | |
| Dicamba | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 92.2 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 88.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 97.1 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.36 | ≤1 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 80.0 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 88.5 % | 70-130 | |
| Dinoseb | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 8.000 | 109 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 83.2 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 91.1 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 9.1% | ≤30.0 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 90.4 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 80.8 % | 70-130 | |
| Pentachlorophenol | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 4.000 | 82.9 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 71.5 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 78.7 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 9.6% | ≤30.0 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 81.2 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 75.0 % | 70-130 | |
| Picloram | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 121 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 96.5 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 108 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.47 | ≤1 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Picloram | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 112 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 76.7 % | 70-130 | |
| 1,1,1,2-Tetrachloroethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 139 % | 12-178 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 60.6 % | 12-178 | |
| | | | MSRPD | ug/L | 10.00 | 78.7% | ≤39 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 120 % | 70-130 | |
| 1,1,1-Trichloroethane(TCA) | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 150 % | 9-176 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 63.1 % | 9-176 | |
| | | | MSRPD | ug/L | 10.00 | 81.8% | ≤33 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 120 % | 70-130 | |
| 1,1,2,2-Tetrachloroethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 154 % | 23-180 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 68.3 % | 23-180 | |
| | | | MSRPD | ug/L | 10.00 | 77.2% | ≤34 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 139 % | 70-130 | 360 |
| 1,1,2-Trichloroethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 143 % | 25-173 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 61.7 % | 25-173 | |
| | | | MSRPD | ug/L | 10.00 | 79.6% | ≤29 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 132 % | 70-130 | 360 |
| 1,1-Dichloroethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 134 % | 15-161 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 58.2 % | 15-161 | |
| | | | MSRPD | ug/L | 10.00 | 79.0% | ≤36 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 114 % | 70-130 | |
| 1,1-Dichloroethylene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 99.4 % | 0-162 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 40.0 % | 0-162 | |
| | | | MSRPD | ug/L | 10.00 | 85.3% | ≤33 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 78.7 % | 70-130 | |
| 1,1-Dichloropropene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 0-171 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 51.3 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 88.0% | ≤31 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| 1,2,3-Trichlorobenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 140 % | 14-181 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 55.1 % | 14-181 | |
| | | | MSRPD | ug/L | 10.00 | 86.8% | ≤34 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| 1,2,4-Trichlorobenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 10-180 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 47.3 % | 10-180 | |
| | | | MSRPD | ug/L | 10.00 | 85.2% | ≤32 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 98.1 % | 70-130 | |
| 1,2,4-Trimethylbenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 152 % | 2-192 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 54.6 % | 2-192 | |
| | | | MSRPD | ug/L | 10.00 | 94.4% | ≤39 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 126 % | 70-130 | |
| 1,2-Dichlorobenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 146 % | 13-191 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dichlorobenzene | 524.2 | (SP 1711220-006) | MSD | ug/L | 10.00 | 61.8 % | 13-191 | |
| | | | MSRPD | ug/L | 10.00 | 80.9% | ≤35 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| 1,2-Dichlorobenzene-d4 | 524.2 | 09/21/17:211560VRG | Blank | ug/L | 10.00 | 92.5 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 112 % | 70-130 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 105 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 7.0% | ≤20 | |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| 1,2-Dichloroethane (EDC) | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 140 % | 18-162 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 60.2 % | 18-162 | |
| | | | MSRPD | ug/L | 10.00 | 80.0% | ≤33 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 125 % | 70-130 | |
| 1,2-Dichloropropane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 141 % | 10-163 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 61.1 % | 10-163 | |
| | | | MSRPD | ug/L | 10.00 | 78.9% | ≤34 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 123 % | 70-130 | |
| 1,3,5-Trimethylbenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 151 % | 0-210 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 54.8 % | 0-210 | |
| | | | MSRPD | ug/L | 10.00 | 93.5% | ≤40 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 122 % | 70-130 | |
| 1,3-Dichlorobenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 147 % | 17-182 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 60.6 % | 17-182 | |
| | | | MSRPD | ug/L | 10.00 | 83.1% | ≤39 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 123 % | 70-130 | |
| 1,3-Dichloropropane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 141 % | 0-178 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 61.0 % | 0-178 | |
| | | | MSRPD | ug/L | 10.00 | 79.1% | ≤29 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 131 % | 70-130 | 360 |
| 1,4-Dichlorobenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 155 % | 19-183 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 64.1 % | 19-183 | |
| | | | MSRPD | ug/L | 10.00 | 82.7% | ≤37 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 133 % | 70-130 | 360 |
| 2,2-Dichloropropane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 141 % | 0-288 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 58.9 % | 0-288 | |
| | | | MSRPD | ug/L | 10.00 | 82.2% | ≤33 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| 2-Chlorotoluene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 152 % | 17-180 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 59.0 % | 17-180 | |
| | | | MSRPD | ug/L | 10.00 | 88.2% | ≤38 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 124 % | 70-130 | |
| 4-Bromofluorobenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | 10.00 | 89.8 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 112 % | 70-130 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 108 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 3.8% | ≤30 | |
| 4-Bromofluorobenzene (BFB) | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| 4-Chlorotoluene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 4-Chlorotoluene | 524.2 | | MS | ug/L | 10.00 | 156 % | 11-177 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 59.9 % | 11-177 | |
| | | | MSRPD | ug/L | 10.00 | 88.9% | ≤41 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 129 % | 70-130 | |
| Benzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 12-158 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 57.6 % | 12-158 | |
| | | | MSRPD | ug/L | 10.00 | 80.6% | ≤36 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| Bromobenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 23-177 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 56.9 % | 23-177 | |
| | | | MSRPD | ug/L | 10.00 | 82.9% | ≤40 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| Bromochloromethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 4-186 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 57.1 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 76.9% | ≤30 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| Bromodichloromethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 162 % | 11-164 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 67.8 % | 11-164 | |
| | | | MSRPD | ug/L | 10.00 | 81.8% | ≤34 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 130 % | 70-130 | |
| Bromoform | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 146 % | 0-235 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 66.1 % | 0-235 | |
| | | | MSRPD | ug/L | 10.00 | 75.3% | ≤39 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| Bromomethane (Methyl Bromide) | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 50.6 % | 0-196 | |
| | | (SP 1711220-006) | MSD | ug/L | 40.00 | 56.1 % | 0-196 | |
| | | | MSRPD | ug/L | 10.00 | 10.3% | ≤40 | |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 174 % | 70-130 | 360 |
| Carbon Tetrachloride | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 140 % | 5-175 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 57.1 % | 5-175 | |
| | | | MSRPD | ug/L | 10.00 | 84.2% | ≤32 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| Chlorobenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 14-175 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 56.8 % | 14-175 | |
| | | | MSRPD | ug/L | 10.00 | 81.3% | ≤35 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 114 % | 70-130 | |
| Chloroethane (Ethyl Chloride) | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 55.3 % | 0-184 | |
| | | (SP 1711220-006) | MSD | ug/L | 40.00 | 61.2 % | 0-184 | |
| | | | MSRPD | ug/L | 10.00 | 10.1% | ≤40 | |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 193 % | 70-130 | 360 |
| Chloroform | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 151 % | 15-163 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 66.9 % | 15-163 | |
| | | | MSRPD | ug/L | 10.00 | 77.3% | ≤36 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 130 % | 70-130 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Chloromethane(Methyl Chloride) | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 43.2 % | 0-224 | |
| | | (SP 1711220-006) | MSD | ug/L | 40.00 | 46.5 % | 0-224 | |
| | | | MSRPD | ug/L | 10.00 | 7.3% | ≤39 | |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 140 % | 70-130 | 360 |
| cis-1,2-Dichloroethylene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 16-172 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 56.7 % | 16-172 | |
| | | | MSRPD | ug/L | 10.00 | 81.6% | ≤34 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| cis-1,3-Dichloropropene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.550 | 138 % | 5-158 | |
| | | (SP 1711220-006) | MSD | ug/L | 9.550 | 54.5 % | 5-158 | |
| | | | MSRPD | ug/L | 10.00 | 86.6% | ≤38 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 9.550 | 112 % | 70-130 | |
| Dibromochloromethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 136 % | 1-180 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 61.3 % | 1-180 | |
| | | | MSRPD | ug/L | 10.00 | 75.6% | ≤34 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| Dibromomethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 134 % | 11-168 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 59.1 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 77.7% | ≤28 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 122 % | 70-130 | |
| Dichlorodifluoromethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 35.5 % | 0-334 | |
| | | (SP 1711220-006) | MSD | ug/L | 40.00 | 37.3 % | 0-334 | |
| | | | MSRPD | ug/L | 10.00 | 5.0% | ≤39 | |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| Dichloromethane | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 20-157 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 56.1 % | 20-157 | |
| | | | MSRPD | ug/L | 10.00 | 78.4% | ≤36 | 435 |
| Ethyl tert-Butyl Ether | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 134 % | 11-165 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 55.6 % | 11-165 | |
| | | | MSRPD | ug/L | 10.00 | 7.8 | ≤3 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| Ethylbenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 134 % | 9-174 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 49.9 % | 9-174 | |
| | | | MSRPD | ug/L | 10.00 | 91.2% | ≤37 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| Freon-11 | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 45.8 % | 0-232 | |
| | | (SP 1711220-006) | MSD | ug/L | 40.00 | 49.5 % | 0-232 | |
| | | | MSRPD | ug/L | 10.00 | 7.6% | ≤35 | |
| Hexachlorobutadiene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 144 % | 14-200 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 58.5 % | 14-200 | |
| | | | MSRPD | ug/L | 10.00 | 84.2% | ≤40 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| Isopropyl Ether | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <3 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Isopropyl Ether | 524.2 | | MS | ug/L | 10.00 | 152 % | 8-165 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 65.3 % | 8-165 | |
| | | | MSRPD | ug/L | 10.00 | 8.7 | ≤3 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 131 % | 70-130 | 360 |
| Isopropylbenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 4-159 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 47.5 % | 4-159 | |
| | | | MSRPD | ug/L | 10.00 | 92.3% | ≤37 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| Methyl tert-Butyl Ether | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 102 % | 70-130 | |
| Methyl tert-Butyl Ether (MTBE) | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 10.00 | 115 % | 11-168 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 47.6 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 79.4% | ≤29 | 435 |
| Methylene Chloride | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| Naphthalene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 0-189 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 46.1 % | 0-189 | |
| | | | MSRPD | ug/L | 10.00 | 88.7% | ≤32 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| n-Butylbenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 154 % | 4-186 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 54.6 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 95.2% | ≤37 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 119 % | 70-130 | |
| n-Propylbenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 149 % | 0-174 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 54.8 % | 0-174 | |
| | | | MSRPD | ug/L | 10.00 | 92.6% | ≤37 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 118 % | 70-130 | |
| p-Isopropyltoluene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 149 % | 0-193 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 51.3 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 97.4% | ≤40 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| sec-Butylbenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 150 % | 0-177 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 55.0 % | 0-177 | |
| | | | MSRPD | ug/L | 10.00 | 92.6% | ≤40 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| Styrene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 147 % | 0-198 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 54.1 % | 0-198 | |
| | | | MSRPD | ug/L | 10.00 | 92.6% | ≤37 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 125 % | 70-130 | |
| TAME | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 136 % | 15-162 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 52.5 % | 15-162 | |
| | | | MSRPD | ug/L | 10.00 | 8.3 | ≤3 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 118 % | 70-130 | |
| tert-Butylbenzene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 137 % | 9-179 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 51.0 % | 9-179 | |
| | | | MSRPD | ug/L | 10.00 | 91.8% | ≤38 | 435 |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| tert-Butylbenzene | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 107 % | 30-130 | |
| Tetrachloroethylene (PCE) | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 14-186 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 55.9 % | 14-186 | |
| | | | MSRPD | ug/L | 10.00 | 84.8% | ≤33 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 111 % | 70-130 | |
| Toluene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 3-174 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 55.6 % | 3-174 | |
| | | | MSRPD | ug/L | 10.00 | 83.4% | ≤37 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 113 % | 30-130 | |
| trans-1,2-Dichloroethylene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 5-165 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 49.7 % | 5-165 | |
| | | | MSRPD | ug/L | 10.00 | 81.5% | ≤40 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 95.3 % | 70-130 | |
| trans-1,3-Dichloropropene | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.200 | 141 % | 0-169 | |
| | | (SP 1711220-006) | MSD | ug/L | 9.200 | 58.2 % | 0-169 | |
| | | | MSRPD | ug/L | 10.00 | 83.2% | ≤31 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 9.200 | 121 % | 70-130 | |
| Trichloroethylene (TCE) | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 137 % | 11-167 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 56.9 % | 11-167 | |
| | | | MSRPD | ug/L | 10.00 | 82.4% | ≤35 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |
| Trichlorofluoromethane F-11 | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 139 % | 70-130 | 360 |
| Trichlorotrifluoroethane F-113 | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 5.000 | 228 % | 0-183 | 435 |
| | | (SP 1711220-006) | MSD | ug/L | 5.000 | 86.9 % | 0-183 | |
| | | | MSRPD | ug/L | 10.00 | 89.6% | ≤33 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 85.0 % | 70-130 | |
| Vinyl Chloride | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 53.3 % | 0-208 | |
| | | (SP 1711220-006) | MSD | ug/L | 40.00 | 57.4 % | 0-208 | |
| | | | MSRPD | ug/L | 10.00 | 7.5% | ≤40 | |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 165 % | 30-130 | 360 |
| Xylenes m,p | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 20.00 | 148 % | 0-193 | |
| | | (SP 1711220-006) | MSD | ug/L | 20.00 | 54.9 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 91.7% | ≤37 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 20.00 | 122 % | 70-130 | |
| Xylenes o | 524.2 | 09/21/17:211560VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 136 % | 0-188 | |
| | | (SP 1711220-006) | MSD | ug/L | 10.00 | 51.7 % | 0-188 | |
| | | | MSRPD | ug/L | 10.00 | 89.9% | ≤36 | 435 |
| | 524.2 | 09/21/17:214473VRG | CCV | ug/L | 10.00 | 114 % | 70-130 | |
| 3-Hydroxycarbofuran | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 81.6 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 87.1 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 89.1 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 2.3% | ≤16.8 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 94.9 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 99.0 % | 80-120 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Aldicarb | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 85.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 89.2 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 92.5 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.7% | ≤11.2 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 83.7 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 102 % | 80-120 | |
| Aldicarb Sulfone | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 93.5 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 90.6 % | 80-120 | |
| Aldicarb Sulfone/Sulfoxide | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <2 | |
| | | | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 92.0 % | 80-120 | |
| | | | LCS | ug/L | 20.00 | 83.0 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 87.0 % | 65-135 | |
| | | | MS | ug/L | 20.00 | 95.8 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 90.4 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 98.9 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.2% | ≤13.8 | |
| | | | MSRPD | ug/L | 20.00 | 3.8% | ≤7.28 | |
| Aldicarb Sulfoxide | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 99.1 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 104 % | 80-120 | |
| Carbaryl | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 80.4 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 107 % | 80-120 | |
| Carbaryl/Naphthol | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 87.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 91.0 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.9 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.78 | ≤5 | |
| Carbofuran | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 84.0 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 90.2 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 89.2 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.19 | ≤5 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 81.1 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 87.4 % | 80-120 | |
| Methomyl | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 87.4 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 90.9 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.0 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.4% | ≤53.1 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 109 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 101 % | 80-120 | |
| Oxamyl | 531.1 | 09/14/17:211066SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 88.3 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 92.4 % | 65-135 | |
| | | (CH 1777523-001) | MSD | ug/L | 20.00 | 94.8 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.48 | ≤5 | |
| | 531.1 | 09/15/17:212156SG | CCV | ug/L | 10.00 | 90.7 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 94.3 % | 80-120 | |
| TOC | 5310C | 09/20/17:211306AMM | Blank | mg/L | | ND | <0.3 | |
| | | | BS | mg/L | 15.00 | 97.0 % | 75-125 | |
| | | | BSD | mg/L | 15.00 | 90.5 % | 75-125 | |
| | | | BSRPD | mg/L | 15.00 | 6.9% | ≤23.0 | |
| | 5310C | 09/20/17:214222AMM | CCV | ppm | 15.00 | 104 % | 67-122 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| TOC | 5310C | 09/20/17:214222AMM | CCV | ppm | 15.00 | 107 % | 67-122 | |
| Endothall | 548.1 | 09/19/17:211274SG | Blank | ug/L | | ND | <40 | |
| | | | LCS | ug/L | 66.67 | 91.2 % | 30-96 | |
| | | | MS | ug/L | 66.67 | 15.3 % | 15-87 | |
| | | (STK1751650-001) | MSD | ug/L | 66.67 | 30.5 % | 15-87 | |
| | | | MSRPD | ug/L | 66.67 | 10 | ≤40 | |
| | 548.1 | 09/22/17:214244SG | CCV | ug/L | 1000 | 85.8 % | 70-130 | |
| | | | CCV | ug/L | 2500 | 107 % | 70-130 | |
| Diquat Dibromide | 549 | 09/19/17:211268SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 39.2 % | 34-114 | |
| | | | MS | ug/L | 20.00 | 35.6 % | 0-86 | |
| | | (SP 1711393-001) | MSD | ug/L | 20.00 | 57.2 % | 0-86 | |
| | | | MSRPD | ug/L | 20.00 | 4.3 | ≤2 | 435 |
| | 549.2 | 09/26/17:214477SG | CCV | ug/L | 1000 | 100 % | 80-120 | |
| | | | CCV | ug/L | 500.0 | 116 % | 80-120 | |
| 2,3-Dibromopropionic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | 5.000 | 81.6 % | 70-130 | |
| | | | LCS | ug/L | 5.000 | 94.1 % | 70-130 | |
| | | | MS | ug/L | 5.000 | 89.9 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 5.000 | 95.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 0.29 | ≤1 | |
| Dibromoacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 85.7 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 79.7 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 89.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.8% | ≤20.0 | |
| Dichloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 87.3 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 84.2 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 93.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.5% | ≤20.0 | |
| Monobromoacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 77.5 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 74.8 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 80.6 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 7.1% | ≤20.0 | |
| Monochloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 10.00 | 76.4 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 77.2 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 82.8 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 0.57 | ≤2 | |
| Trichloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 80.0 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 75.6 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 84.8 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.4% | ≤20.0 | |
| 2,3-Dibromopropionic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 50.00 | 112 % | 70-130 | |
| | | | CCV | ug/L | 75.00 | 135 % | 70-130 | 362 |
| Dibromoacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 112 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 122 % | 70-130 | |
| Dichloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 119 % | 70-130 | |
| Monobromoacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 107 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 107 % | 70-130 | |
| Monochloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 109 % | 70-130 | |

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Monochloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 150.0 | 107 % | 70-130 | |
| Trichloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 106 % | 70-130 | |
| | | | CCV | ug/L | 150.0 | 109 % | 70-130 | |
| Chlordane | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.1 | |
| PCB 1016 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1221 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1232 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1242 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1248 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1254 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1260 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| Tetrachloro-m-xylene | 608/8081 | 09/18/17:211160caa | Blank | ug/L | 0.5005 | 47.8 % | 15-143 | |
| | | | LCS | ug/L | 0.5005 | 38.0 % | 15-143 | |
| | | | BS | ug/L | 0.5005 | 57.7 % | 26-141 | |
| | | | BSD | ug/L | 0.5005 | 28.1 % | 26-141 | |
| | | | BSRPD | ug/L | 0.5005 | 0.15 | ≤0.05 | 410 |
| | 608/8081 | 09/22/17:214242SBL | CCV | ug/L | 50.05 | 87.9 % | 85-115 | |
| | | | CCV | ug/L | 100.1 | 89.3 % | 85-115 | |
| Toxaphene | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| 1,1,1-Trichloroethane(TCA) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 110 % | 66-191 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 66-191 | |
| | | | MSRPD | ug/L | 10.00 | 7.2% | ≤21 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 86.1 % | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 30-180 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 30-180 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤19 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 113 % | 60-140 | |
| 1,1,2-Trichloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 104 % | 50-146 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 110 % | 50-146 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 99.7 % | 71-129 | |
| 1,1-Dichloroethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 99.6 % | 63-159 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 100 % | 63-159 | |
| | | | MSRPD | ug/L | 10.00 | 0.9% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 86.9 % | 72-128 | |
| 1,1-Dichloroethylene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 67.4 % | 0-279 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 66.2 % | 0-279 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤36 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 56.0 % | 51-150 | |
| 1,2-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 57-153 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 135 % | 57-153 | |
| | | | MSRPD | ug/L | 10.00 | 3.3% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 122 % | 63-137 | |
| 1,2-Dichloroethane (EDC) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 56-158 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 122 % | 56-158 | |
| | | | MSRPD | ug/L | 10.00 | 3.8% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 114 % | 68-132 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dichloropropane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 55-152 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 117 % | 55-152 | |
| | | | MSRPD | ug/L | 10.00 | 4.2% | ≤23 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 105 % | 34-166 | |
| 1,3-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 136 % | 53-159 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 140 % | 53-159 | |
| | | | MSRPD | ug/L | 10.00 | 2.8% | ≤28 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 127 % | 73-127 | |
| 1,4-Dichlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 138 % | 53-161 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 143 % | 53-161 | |
| | | | MSRPD | ug/L | 10.00 | 3.7% | ≤27 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 128 % | 63-137 | |
| 2-Butanone (MEK) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <40 | |
| | | | MS | ug/L | 100.0 | 90.4 % | 0-211 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 99.7 % | 0-211 | |
| | | | MSRPD | ug/L | 10.00 | 9.4 | ≤40 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 93.0 % | 20-230 | |
| 2-Chloroethylvinyl ether | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1 | |
| | | | MS | ug/L | 100.0 | 63.4 % | 0-11 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 67.7 % | 0-11 | 435 |
| | | | MSRPD | ug/L | 10.00 | 6.5% | ≤3 | 435 |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 73.9 % | 10-224 | |
| 2-Hexanone | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <30 | |
| | | | MS | ug/L | 100.0 | 88.0 % | 0-190 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 94.7 % | 0-190 | |
| | | | MSRPD | ug/L | 10.00 | 6.7 | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 101 % | 20-283 | |
| 4-Bromofluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 102 % | 70-161 | |
| | | | MS | ug/L | 10.00 | 105 % | 58-151 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 104 % | 58-151 | |
| | | | MSRPD | ug/L | 10.00 | 0.7% | ≤14 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <30 | |
| | | | MS | ug/L | 100.0 | 93.3 % | 0-194 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 94.5 % | 0-194 | |
| | | | MSRPD | ug/L | 10.00 | 1.2 | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 106 % | 20-233 | |
| Acetone | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <25 | |
| | | | MS | ug/L | 100.0 | 103 % | 0-270 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 111 % | 0-270 | |
| | | | MSRPD | ug/L | 10.00 | 8.1 | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 129 % | 20-367 | |
| Acrolein | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 100.0 | 104 % | 0-171 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 102 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 1.5% | ≤50 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 100.0 | 105 % | 20-209 | |
| Acrylonitrile | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <2 | |
| | | | MS | ug/L | 100.0 | 284 % | 0-244 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 304 % | 0-244 | 435 |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤47 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Acrylonitrile | 624 | 09/14/17:214550VRG | CCV | ug/L | 100.0 | 309 % | 20-278 | 360 |
| Benzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 103 % | 65-155 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 111 % | 65-155 | |
| | | | MSRPD | ug/L | 10.00 | 7.1% | ≤21 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 91.6 % | 64-136 | |
| Bromodichloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 62-150 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 115 % | 62-150 | |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 108 % | 65-135 | |
| Bromoform | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 64-150 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 132 % | 64-150 | |
| | | | MSRPD | ug/L | 10.00 | 6.7% | ≤16 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 129 % | 71-129 | |
| Bromomethane (Methyl Bromide) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 49.8 % | 48-196 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 52.0 % | 48-196 | |
| | | | MSRPD | ug/L | 10.00 | 4.3% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 169 % | 14-186 | |
| Carbon Disulfide | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 100.0 | 97.2 % | 0-230 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 102 % | 0-230 | |
| | | | MSRPD | ug/L | 10.00 | 5.0% | ≤72 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 71.1 % | 20-242 | |
| Carbon Tetrachloride | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 127 % | 69-206 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 139 % | 69-206 | |
| | | | MSRPD | ug/L | 10.00 | 9.5% | ≤19 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 94.2 % | 73-127 | |
| Chlorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 122 % | 69-152 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 131 % | 69-152 | |
| | | | MSRPD | ug/L | 10.00 | 7.7% | ≤24 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 112 % | 66-134 | |
| Chloroethane (Ethyl Chloride) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 36.8 % | 53-214 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 38.1 % | 53-214 | 435 |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤32 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 115 % | 38-162 | |
| Chloroform | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 50.00 | 27.1 % | 55-155 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 50.00 | 22.0 % | 55-155 | 435 |
| | | | MSRPD | ug/L | 10.00 | 4.1% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.5 % | 67-133 | |
| Chloromethane(Methyl Chloride) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 40.4 % | 33-202 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 43.3 % | 33-202 | |
| | | | MSRPD | ug/L | 10.00 | 7.0% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 141 % | 0-204 | |
| cis-1,3-Dichloropropene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 116 % | 59-142 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 122 % | 59-142 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| cis-1,3-Dichloropropene | 624 | 09/14/17:211554VRG | MSRPD | ug/L | 10.00 | 4.6% | ≤23 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 111 % | 24-176 | |
| Dibromochloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 53-151 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 116 % | 53-151 | |
| | | | MSRPD | ug/L | 10.00 | 6.5% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 107 % | 67-133 | |
| Dichloromethane | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <2 | |
| | | | MS | ug/L | 10.00 | 93.5 % | 24-207 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 100 % | 24-207 | |
| | | | MSRPD | ug/L | 10.00 | 0.67 | ≤2 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 85.2 % | 60-139 | |
| Ethylbenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 140 % | 45-194 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 138 % | 45-194 | |
| | | | MSRPD | ug/L | 10.00 | 1.2% | ≤31 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 118 % | 59-141 | |
| Fluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 100 % | 72-139 | |
| | | | MS | ug/L | 10.00 | 101 % | 90-121 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 101 % | 90-121 | |
| | | | MSRPD | ug/L | 10.00 | 0.02% | ≤3 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| Freon-11 | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 40.00 | 40.7 % | 57-259 | 435 |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 41.9 % | 57-259 | 435 |
| | | | MSRPD | ug/L | 10.00 | 3.1% | ≤27 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 112 % | 48-152 | |
| Methyl tert-Butyl Ether (MTBE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 10.00 | 102 % | 26-210 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 95.2 % | 26-210 | |
| | | | MSRPD | ug/L | 10.00 | 0.64 | ≤5 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 90.3 % | 63-178 | |
| Pentafluorobenzene | 624 | 09/14/17:211554VRG | Blank | ug/L | 10.00 | 111 % | 59-151 | |
| | | | MS | ug/L | 10.00 | 106 % | 74-148 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 107 % | 74-148 | |
| | | | MSRPD | ug/L | 10.00 | 1.5% | ≤10 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| Styrene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 6-195 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 132 % | 6-195 | |
| | | | MSRPD | ug/L | 10.00 | 2.3% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 121 % | 67-158 | |
| Tetrachloroethylene (PCE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 133 % | 63-171 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 140 % | 63-171 | |
| | | | MSRPD | ug/L | 10.00 | 4.5% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 106 % | 73-127 | |
| Toluene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 112 % | 65-160 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 119 % | 65-160 | |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.0 % | 74-126 | |
| trans-1,2-Dichloroethylene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 92.0 % | 68-179 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| trans-1,2-Dichloroethylene | 624 | (CH 1777935-001) | MSD | ug/L | 10.00 | 97.3 % | 68-179 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤51 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 80.5 % | 69-131 | |
| trans-1,3-Dichloropropene | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 102 % | 55-148 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 108 % | 55-148 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤25 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 98.1 % | 50-150 | |
| Trichloroethylene (TCE) | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 113 % | 54-178 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 118 % | 54-178 | |
| | | | MSRPD | ug/L | 10.00 | 4.4% | ≤22 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 95.8 % | 66-134 | |
| Vinyl Acetate | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <10 | |
| | | | MS | ug/L | 100.0 | 86.6 % | 0-331 | |
| | | (CH 1777935-001) | MSD | ug/L | 100.0 | 91.8 % | 0-331 | |
| | | | MSRPD | ug/L | 10.00 | 5.8% | ≤44 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 80.00 | 101 % | 20-393 | |
| Vinyl Chloride | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 45.0 % | 32-217 | |
| | | (CH 1777935-001) | MSD | ug/L | 40.00 | 48.8 % | 32-217 | |
| | | | MSRPD | ug/L | 10.00 | 8.0% | ≤26 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 141 % | 4-196 | |
| Xylenes m,p | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 20.00 | 140 % | 50-181 | |
| | | (CH 1777935-001) | MSD | ug/L | 20.00 | 139 % | 50-181 | |
| | | | MSRPD | ug/L | 10.00 | 0.9% | ≤30 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 20.00 | 118 % | 45-170 | |
| Xylenes o | 624 | 09/14/17:211554VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 137 % | 38-182 | |
| | | (CH 1777935-001) | MSD | ug/L | 10.00 | 136 % | 38-182 | |
| | | | MSRPD | ug/L | 10.00 | 0.6% | ≤29 | |
| | 624 | 09/14/17:214550VRG | CCV | ug/L | 10.00 | 121 % | 63-163 | |
| 1,2,4-Trichlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 73.6 % | 38-105 | |
| | | | BS | ug/L | 20.00 | 78.3 % | 21-110 | |
| | | | BSD | ug/L | 20.00 | 85.1 % | 21-110 | |
| | | | BSRPD | ug/L | 20.00 | 8.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 103 % | 80-120 | |
| 1,2-Dichlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 78.2 % | 48-97 | |
| | | | BS | ug/L | 20.00 | 83.7 % | 16-115 | |
| | | | BSD | ug/L | 20.00 | 89.8 % | 16-115 | |
| | | | BSRPD | ug/L | 20.00 | 7.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| 1,2-Diphenylhydrazine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.4 % | 61-111 | |
| | | | BS | ug/L | 20.00 | 87.5 % | 39-121 | |
| | | | BSD | ug/L | 20.00 | 92.4 % | 39-121 | |
| | | | BSRPD | ug/L | 20.00 | 5.4% | ≤30 | |
| 1,3-Dichlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 74.4 % | 39-94 | |
| | | | BS | ug/L | 20.00 | 80.4 % | 11-111 | |
| | | | BSD | ug/L | 20.00 | 87.0 % | 11-111 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,3-Dichlorobenzene | 625 | 09/21/17:211355caa | BSRPD | ug/L | 20.00 | 7.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| 1,4-Dichlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 74.7 % | 42-95 | |
| | | | BS | ug/L | 20.00 | 82.9 % | 13-111 | |
| | | | BSD | ug/L | 20.00 | 90.0 % | 13-111 | |
| | | | BSRPD | ug/L | 20.00 | 8.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| 2,4,5-Trichlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 104 % | 70-122 | |
| | | | BS | ug/L | 20.00 | 110 % | 36-148 | |
| | | | BSD | ug/L | 20.00 | 116 % | 36-148 | |
| | | | BSRPD | ug/L | 20.00 | 5.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 123 % | 70-130 | |
| 2,4,6-Tribromophenol | 625 | 09/21/17:211355caa | Blank | ug/L | 20.00 | 55.5 % | 34-116 | |
| | | | LCS | ug/L | 20.00 | 67.5 % | 34-116 | |
| | | | BS | ug/L | 20.00 | 69.8 % | 34-116 | |
| | | | BSD | ug/L | 20.00 | 72.3 % | 34-116 | |
| | | | BSRPD | ug/L | 20.00 | 3.5% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 97.2 % | 80-120 | |
| 2,4,6-Trichlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.3 % | 65-115 | |
| | | | BS | ug/L | 20.00 | 91.0 % | 38-136 | |
| | | | BSD | ug/L | 20.00 | 96.4 % | 38-136 | |
| | | | BSRPD | ug/L | 20.00 | 5.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| 2,4-Dichlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 85.4 % | 68-117 | |
| | | | BS | ug/L | 20.00 | 90.9 % | 37-131 | |
| | | | BSD | ug/L | 20.00 | 97.0 % | 37-131 | |
| | | | BSRPD | ug/L | 20.00 | 6.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| 2,4-Dimethylphenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 66.3 % | 54-97 | |
| | | | BS | ug/L | 20.00 | 66.9 % | 23-118 | |
| | | | BSD | ug/L | 20.00 | 74.7 % | 23-118 | |
| | | | BSRPD | ug/L | 20.00 | 11.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 93.9 % | 80-120 | |
| 2,4-Dinitrophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 76.2 % | 37-112 | |
| | | | BS | ug/L | 20.00 | 86.5 % | 15-146 | |
| | | | BSD | ug/L | 20.00 | 80.5 % | 15-146 | |
| | | | BSRPD | ug/L | 20.00 | 1.2 | ≤5 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 96.9 % | 80-120 | |
| 2,4-Dinitrotoluene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.4 % | 71-114 | |
| | | | BS | ug/L | 20.00 | 97.5 % | 49-135 | |
| | | | BSD | ug/L | 20.00 | 102 % | 49-135 | |
| | | | BSRPD | ug/L | 20.00 | 4.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| 2,6-Dinitrotoluene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 96.7 % | 72-119 | |
| | | | BS | ug/L | 20.00 | 101 % | 43-140 | |
| | | | BSD | ug/L | 20.00 | 108 % | 43-140 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,6-Dinitrotoluene | 625 | 09/21/17:211355caa | BSRPD | ug/L | 20.00 | 6.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 118 % | 80-120 | |
| 2-Chlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 81.8 % | 63-114 | |
| | | | BS | ug/L | 20.00 | 88.0 % | 34-124 | |
| | | | BSD | ug/L | 20.00 | 92.3 % | 34-124 | |
| | | | BSRPD | ug/L | 20.00 | 4.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| 2-Fluorobiphenyl | 625 | 09/21/17:211355caa | Blank | ug/L | 10.00 | 58.6 % | 29-98 | |
| | | | LCS | ug/L | 10.00 | 57.7 % | 29-98 | |
| | | | BS | ug/L | 10.00 | 58.8 % | 29-98 | |
| | | | BSD | ug/L | 10.00 | 63.5 % | 29-98 | |
| | | | BSRPD | ug/L | 20.00 | 7.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 10.00 | 100 % | 80-120 | |
| 2-Fluorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | 20.00 | 64.5 % | 23-105 | |
| | | | LCS | ug/L | 20.00 | 59.7 % | 23-105 | |
| | | | BS | ug/L | 20.00 | 67.5 % | 23-105 | |
| | | | BSD | ug/L | 20.00 | 68.2 % | 23-105 | |
| | | | BSRPD | ug/L | 20.00 | 1.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| 2-Nitrophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 88.3 % | 59-125 | |
| | | | BS | ug/L | 20.00 | 95.6 % | 39-135 | |
| | | | BSD | ug/L | 20.00 | 96.6 % | 39-135 | |
| | | | BSRPD | ug/L | 20.00 | 1.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 116 % | 80-120 | |
| 3,3-Dichlorobenzidine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 67.6 % | 52-119 | |
| | | | BS | ug/L | 20.00 | 65.0 % | 3-125 | |
| | | | BSD | ug/L | 20.00 | 63.6 % | 3-125 | |
| | | | BSRPD | ug/L | 20.00 | 2.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 122 % | 80-120 | 360 |
| 4,6-Dinitro-2-methylphenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 71.3 % | 35-129 | |
| | | | BS | ug/L | 20.00 | 79.8 % | 36-137 | |
| | | | BSD | ug/L | 20.00 | 75.8 % | 36-137 | |
| | | | BSRPD | ug/L | 20.00 | 5.1% | ≤30 | |
| 4,6-Dinitro-o-cresol | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 89.6 % | 80-120 | |
| 4-Bromophenylphenylether | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 82.0 % | 66-111 | |
| | | | BS | ug/L | 20.00 | 84.1 % | 41-123 | |
| | | | BSD | ug/L | 20.00 | 89.4 % | 41-123 | |
| | | | BSRPD | ug/L | 20.00 | 6.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 100 % | 80-120 | |
| 4-Nitrophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 114 % | 57-144 | |
| | | | BS | ug/L | 20.00 | 119 % | 11-199 | |
| | | | BSD | ug/L | 20.00 | 122 % | 11-199 | |
| | | | BSRPD | ug/L | 20.00 | 1.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 128 % | 80-120 | 360 |
| Acenaphthene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 82.9 % | 60-106 | |
| | | | BS | ug/L | 20.00 | 85.9 % | 33-122 | |
| | | | BSD | ug/L | 20.00 | 92.9 % | 33-122 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Acenaphthene | 625 | 09/21/17:211355caa | BSRPD | ug/L | 20.00 | 7.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| Acenaphthylene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.3 % | 63-109 | |
| | | | BS | ug/L | 20.00 | 90.2 % | 34-126 | |
| | | | BSD | ug/L | 20.00 | 97.3 % | 34-126 | |
| | | | BSRPD | ug/L | 20.00 | 7.5% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Anthracene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.6 % | 73-108 | |
| | | | BS | ug/L | 20.00 | 92.6 % | 44-122 | |
| | | | BSD | ug/L | 20.00 | 97.4 % | 44-122 | |
| | | | BSRPD | ug/L | 20.00 | 5.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Azobenzene | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Benzidine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 2.3 % | 0-59 | |
| | | | BS | ug/L | 20.00 | 2.4 % | 0-115 | |
| | | | BSD | ug/L | 20.00 | 2.8 % | 0-115 | |
| | | | BSRPD | ug/L | 20.00 | 0.075 | ≤2 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 124 % | 70-130 | |
| Benzo(a)anthracene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 94.8 % | 80-106 | |
| | | | BS | ug/L | 20.00 | 97.5 % | 42-123 | |
| | | | BSD | ug/L | 20.00 | 100 % | 42-123 | |
| | | | BSRPD | ug/L | 20.00 | 2.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| Benzo(a)pyrene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 92.5 % | 77-105 | |
| | | | BS | ug/L | 20.00 | 94.3 % | 41-121 | |
| | | | BSD | ug/L | 20.00 | 95.6 % | 41-121 | |
| | | | BSRPD | ug/L | 20.00 | 1.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Benzo(b)fluoranthene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.5 % | 80-104 | |
| | | | BS | ug/L | 20.00 | 98.2 % | 35-135 | |
| | | | BSD | ug/L | 20.00 | 104 % | 35-135 | |
| | | | BSRPD | ug/L | 20.00 | 5.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| Benzo(g,h,i)perylene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 92.6 % | 49-128 | |
| | | | BS | ug/L | 20.00 | 96.9 % | 38-118 | |
| | | | BSD | ug/L | 20.00 | 88.4 % | 38-118 | |
| | | | BSRPD | ug/L | 20.00 | 9.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 113 % | 80-120 | |
| Benzo(k)fluoranthene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.1 % | 71-113 | |
| | | | BS | ug/L | 20.00 | 96.5 % | 40-124 | |
| | | | BSD | ug/L | 20.00 | 100 % | 40-124 | |
| | | | BSRPD | ug/L | 20.00 | 3.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| bis(2-Chloroethoxy)methane | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.3 % | 65-111 | |
| | | | BS | ug/L | 20.00 | 86.8 % | 32-128 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| bis(2-Chloroethoxy)methane | 625 | 09/21/17:211355caa | BSD | ug/L | 20.00 | 95.3 % | 32-128 | |
| | | | BSRPD | ug/L | 20.00 | 9.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| bis(2-Chloroethyl)ether | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 85.0 % | 68-110 | |
| | | | BS | ug/L | 20.00 | 90.3 % | 0-201 | |
| | | | BSD | ug/L | 20.00 | 96.7 % | 0-201 | |
| | | | BSRPD | ug/L | 20.00 | 6.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| bis(2-Chloroisopropyl)ether | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 74.0 % | 48-105 | |
| | | | BS | ug/L | 20.00 | 77.7 % | 27-116 | |
| | | | BSD | ug/L | 20.00 | 83.3 % | 27-116 | |
| | | | BSRPD | ug/L | 20.00 | 7.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 96.0 % | 80-120 | |
| bis(2-Ethylhexyl)phthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 88.6 % | 69-116 | |
| | | | BS | ug/L | 20.00 | 87.9 % | 18-137 | |
| | | | BSD | ug/L | 20.00 | 95.9 % | 18-137 | |
| | | | BSRPD | ug/L | 20.00 | 8.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| Butylbenzylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 72.3 % | 14-112 | |
| | | | BS | ug/L | 20.00 | 71.9 % | 18-136 | |
| | | | BSD | ug/L | 20.00 | 78.1 % | 18-136 | |
| | | | BSRPD | ug/L | 20.00 | 8.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Chloronaphthalene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 81.4 % | 56-105 | |
| | | | BS | ug/L | 20.00 | 84.3 % | 32-119 | |
| | | | BSD | ug/L | 20.00 | 91.5 % | 32-119 | |
| | | | BSRPD | ug/L | 20.00 | 8.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| Chlorophenylphenylether | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 78.7 % | 62-111 | |
| | | | BS | ug/L | 20.00 | 82.8 % | 40-119 | |
| | | | BSD | ug/L | 20.00 | 88.9 % | 40-119 | |
| | | | BSRPD | ug/L | 20.00 | 7.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 99.6 % | 80-120 | |
| Chrysene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.9 % | 79-107 | |
| | | | BS | ug/L | 20.00 | 98.3 % | 39-123 | |
| | | | BSD | ug/L | 20.00 | 101 % | 39-123 | |
| | | | BSRPD | ug/L | 20.00 | 2.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| Dibenzo(a,h)anthracene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 103 % | 63-133 | |
| | | | BS | ug/L | 20.00 | 110 % | 34-138 | |
| | | | BSD | ug/L | 20.00 | 101 % | 34-138 | |
| | | | BSRPD | ug/L | 20.00 | 8.5% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 123 % | 80-120 | 360 |
| Diethylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 45.6 % | 0-87 | |
| | | | BS | ug/L | 20.00 | 53.5 % | 0-147 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Diethylphthalate | 625 | 09/21/17:211355caa | BSD | ug/L | 20.00 | 55.4 % | 0-147 | |
| | | | BSRPD | ug/L | 20.00 | 3.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Dimethylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 42.5 % | 0-56 | |
| | | | BS | ug/L | 20.00 | 50.9 % | 0-137 | |
| | | | BSD | ug/L | 20.00 | 52.8 % | 0-137 | |
| | | | BSRPD | ug/L | 20.00 | 3.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| Di-n-butylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 75.9 % | 20-120 | |
| | | | BS | ug/L | 20.00 | 77.3 % | 26-141 | |
| | | | BSD | ug/L | 20.00 | 81.2 % | 26-141 | |
| | | | BSRPD | ug/L | 20.00 | 5.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| Di-n-octylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 96.8 % | 55-126 | |
| | | | BS | ug/L | 20.00 | 95.5 % | 29-144 | |
| | | | BSD | ug/L | 20.00 | 111 % | 29-144 | |
| | | | BSRPD | ug/L | 20.00 | 14.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 113 % | 80-120 | |
| Fluoranthene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 91.2 % | 73-111 | |
| | | | BS | ug/L | 20.00 | 94.3 % | 48-126 | |
| | | | BSD | ug/L | 20.00 | 97.8 % | 48-126 | |
| | | | BSRPD | ug/L | 20.00 | 3.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Fluorene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 85.9 % | 64-111 | |
| | | | BS | ug/L | 20.00 | 89.2 % | 38-123 | |
| | | | BSD | ug/L | 20.00 | 96.0 % | 38-123 | |
| | | | BSRPD | ug/L | 20.00 | 7.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Hexachlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 80.1 % | 66-108 | |
| | | | BS | ug/L | 20.00 | 83.0 % | 40-115 | |
| | | | BSD | ug/L | 20.00 | 88.8 % | 40-115 | |
| | | | BSRPD | ug/L | 20.00 | 6.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 99.9 % | 80-120 | |
| Hexachlorobutadiene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 61.8 % | 4-104 | |
| | | | BS | ug/L | 20.00 | 66.8 % | 4-101 | |
| | | | BSD | ug/L | 20.00 | 69.5 % | 4-101 | |
| | | | BSRPD | ug/L | 20.00 | 3.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| Hexachlorocyclopentadiene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 41.3 % | 0-73 | |
| | | | BS | ug/L | 20.00 | 38.0 % | 4-44 | |
| | | | BSD | ug/L | 20.00 | 39.8 % | 4-44 | |
| | | | BSRPD | ug/L | 20.00 | 4.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Hexachloroethane | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 71.6 % | 16-97 | |
| | | | BS | ug/L | 20.00 | 78.2 % | 0-109 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Hexachloroethane | 625 | 09/21/17:211355caa | BSD | ug/L | 20.00 | 83.2 % | 0-109 | |
| | | | BSRPD | ug/L | 20.00 | 6.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Indeno(1,2,3-c,d)pyrene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 103 % | 58-129 | |
| | | | BS | ug/L | 20.00 | 109 % | 26-146 | |
| | | | BSD | ug/L | 20.00 | 100 % | 26-146 | |
| | | | BSRPD | ug/L | 20.00 | 8.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 122 % | 80-120 | 360 |
| Isophorone | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 91.9 % | 63-107 | |
| | | | BS | ug/L | 20.00 | 96.0 % | 35-124 | |
| | | | BSD | ug/L | 20.00 | 102 % | 35-124 | |
| | | | BSRPD | ug/L | 20.00 | 6.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 113 % | 80-120 | |
| Naphthalene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 82.4 % | 61-104 | |
| | | | BS | ug/L | 20.00 | 85.5 % | 28-122 | |
| | | | BSD | ug/L | 20.00 | 92.4 % | 28-122 | |
| | | | BSRPD | ug/L | 20.00 | 7.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Nitrobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.2 % | 62-104 | |
| | | | BS | ug/L | 20.00 | 87.8 % | 49-108 | |
| | | | BSD | ug/L | 20.00 | 95.4 % | 49-108 | |
| | | | BSRPD | ug/L | 20.00 | 8.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| Nitrobenzene-d5 | 625 | 09/21/17:211355caa | Blank | ug/L | 10.00 | 60.8 % | 23-104 | |
| | | | LCS | ug/L | 10.00 | 59.8 % | 23-104 | |
| | | | BS | ug/L | 10.00 | 62.1 % | 23-104 | |
| | | | BSD | ug/L | 10.00 | 66.8 % | 23-104 | |
| | | | BSRPD | ug/L | 20.00 | 7.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 10.00 | 105 % | 80-120 | |
| N-Nitrosodimethylamine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 89.8 % | 60-117 | |
| | | | BS | ug/L | 20.00 | 86.8 % | 23-129 | |
| | | | BSD | ug/L | 20.00 | 104 % | 23-129 | |
| | | | BSRPD | ug/L | 20.00 | 17.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 120 % | 80-120 | |
| N-Nitrosodi-N-propylamine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 83.1 % | 61-106 | |
| | | | BS | ug/L | 20.00 | 87.9 % | 30-124 | |
| | | | BSD | ug/L | 20.00 | 94.1 % | 30-124 | |
| | | | BSRPD | ug/L | 20.00 | 6.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| N-Nitrosodiphenylamine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 54.1 % | 9-136 | |
| | | | BS | ug/L | 20.00 | 54.5 % | 34-127 | |
| | | | BSD | ug/L | 20.00 | 55.8 % | 34-127 | |
| | | | BSRPD | ug/L | 20.00 | 2.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 86.6 % | 80-120 | |
| p-Chloro-m-cresol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 96.1 % | 65-118 | |
| | | | BS | ug/L | 20.00 | 101 % | 35-142 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| p-Chloro-m-cresol | 625 | 09/21/17:211355caa | BSD | ug/L | 20.00 | 109 % | 35-142 | |
| | | | BSRPD | ug/L | 20.00 | 7.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 120 % | 80-120 | |
| Pentachlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 87.9 % | 51-131 | |
| | | | BS | ug/L | 20.00 | 94.6 % | 22-172 | |
| | | | BSD | ug/L | 20.00 | 97.3 % | 22-172 | |
| | | | BSRPD | ug/L | 20.00 | 2.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Phenanthrene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.7 % | 71-106 | |
| | | | BS | ug/L | 20.00 | 90.2 % | 44-120 | |
| | | | BSD | ug/L | 20.00 | 94.4 % | 44-120 | |
| | | | BSRPD | ug/L | 20.00 | 4.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Phenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.7 % | 48-134 | |
| | | | BS | ug/L | 20.00 | 89.0 % | 28-130 | |
| | | | BSD | ug/L | 20.00 | 98.8 % | 28-130 | |
| | | | BSRPD | ug/L | 20.00 | 10.5% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 114 % | 80-120 | |
| Phenol-d6 | 625 | 09/21/17:211355caa | Blank | ug/L | 20.00 | 62.1 % | 26-102 | |
| | | | LCS | ug/L | 20.00 | 64.6 % | 26-102 | |
| | | | BS | ug/L | 20.00 | 66.1 % | 26-102 | |
| | | | BSD | ug/L | 20.00 | 74.6 % | 26-102 | |
| | | | BSRPD | ug/L | 20.00 | 12.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| p-Terphenyl-d14 | 625 | 09/21/17:211355caa | Blank | ug/L | 10.00 | 62.2 % | 29-93 | |
| | | | LCS | ug/L | 10.00 | 60.1 % | 29-93 | |
| | | | BS | ug/L | 10.00 | 60.1 % | 29-93 | |
| | | | BSD | ug/L | 10.00 | 65.2 % | 29-93 | |
| | | | BSRPD | ug/L | 20.00 | 8.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 10.00 | 95.1 % | 80-120 | |
| Pyrene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.5 % | 81-101 | |
| | | | BS | ug/L | 20.00 | 90.0 % | 42-120 | |
| | | | BSD | ug/L | 20.00 | 97.0 % | 42-120 | |
| | | | BSRPD | ug/L | 20.00 | 7.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Pyridine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 20.00 | 21.1 % | 0-78 | |
| | | | BS | ug/L | 20.00 | 20.3 % | 0-99 | |
| | | | BSD | ug/L | 20.00 | 48.3 % | 0-99 | |
| | | | BSRPD | ug/L | 20.00 | 5.6 | ≤10 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 122 % | 80-120 | 360 |
| 2,4`-DDD | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| 2,4`-DDE | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 119 % | 70-130 | |
| 2,4`-DDT | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| Aldrin | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 92.1 % | 0-131 | |
| | | | BS | ug/L | 0.1000 | 30.2 % | 4-108 | |
| | | | BSD | ug/L | 0.1000 | 78.7 % | 4-108 | |
| | | | BSRPD | ug/L | 0.1000 | 89.0% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Alpha BHC | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 95.3 % | 9-125 | |
| | | | BS | ug/L | 0.1000 | 29.7 % | 17-100 | |
| | | | BSD | ug/L | 0.1000 | 53.9 % | 17-100 | |
| | | | BSRPD | ug/L | 0.1000 | 58.0% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| alpha-Chlordane | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 102 % | 14-126 | |
| | | | BS | ug/L | 0.1000 | 33.1 % | 0-135 | |
| | | | BSD | ug/L | 0.1000 | 84.1 % | 0-135 | |
| | | | BSRPD | ug/L | 0.1000 | 86.9% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| Beta BHC | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 61.5 % | 13-125 | |
| | | | BS | ug/L | 0.1000 | 6.1 % | 16-123 | 436 |
| | | | BSD | ug/L | 0.1000 | 29.5 % | 16-123 | |
| | | | BSRPD | ug/L | 0.1000 | 0.023 | ≤0.005 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 82.3 % | 70-130 | |
| cis_Nonachlor | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 95.0 % | 10-138 | |
| | | | BS | ug/L | 0.1000 | 31.3 % | 0-120 | |
| | | | BSD | ug/L | 0.1000 | 75.5 % | 0-120 | |
| | | | BSRPD | ug/L | 0.1000 | 82.8% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 110 % | 70-130 | |
| Delta BHC | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 80.1 % | 0-122 | |
| | | | BS | ug/L | 0.1000 | 16.3 % | 0-112 | |
| | | | BSD | ug/L | 0.1000 | 37.5 % | 0-112 | |
| | | | BSRPD | ug/L | 0.1000 | 78.8% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 87.5 % | 70-130 | |
| Dieldrin | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 86.2 % | 19-120 | |
| | | | BS | ug/L | 0.1000 | 33.0 % | 0-121 | |
| | | | BSD | ug/L | 0.1000 | 83.7 % | 0-121 | |
| | | | BSRPD | ug/L | 0.1000 | 86.9% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| Endosulfan I | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 54.5 % | 18-129 | |
| | | | BS | ug/L | 0.1000 | 19.3 % | 0-154 | |
| | | | BSD | ug/L | 0.1000 | 46.5 % | 0-154 | |
| | | | BSRPD | ug/L | 0.1000 | 82.4% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 73.7 % | 70-130 | |
| Endosulfan II | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 93.3 % | 22-128 | |
| | | | BS | ug/L | 0.1000 | 39.6 % | 0-149 | |
| | | | BSD | ug/L | 0.1000 | 69.7 % | 0-149 | |
| | | | BSRPD | ug/L | 0.1000 | 55.1% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 93.9 % | 70-130 | |
| Endosulfan Sulfate | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 105 % | 32-106 | |
| | | | BS | ug/L | 0.1000 | 36.2 % | 4-140 | |
| | | | BSD | ug/L | 0.1000 | 80.4 % | 4-140 | |
| | | | BSRPD | ug/L | 0.1000 | 75.7% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Endrin | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 105 % | 0-130 | |
| | | | BS | ug/L | 0.1000 | 26.7 % | 7-101 | |
| | | | BSD | ug/L | 0.1000 | 75.4 % | 7-101 | |
| | | | BSRPD | ug/L | 0.1000 | 95.4% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| Endrin Aldehyde | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 122 % | 16-135 | |
| | | | BS | ug/L | 0.1000 | 39.1 % | 0-148 | |
| | | | BSD | ug/L | 0.1000 | 83.0 % | 0-148 | |
| | | | BSRPD | ug/L | 0.1000 | 72.0% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| Endrin Ketone | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 101 % | 25-121 | |
| | | | BS | ug/L | 0.1000 | 30.4 % | 21-111 | |
| | | | BSD | ug/L | 0.1000 | 59.0 % | 21-111 | |
| | | | BSRPD | ug/L | 0.1000 | 64.1% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 97.6 % | 70-130 | |
| gamma-Chlordane | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 98.0 % | 20-123 | |
| | | | BS | ug/L | 0.1000 | 28.3 % | 1-116 | |
| | | | BSD | ug/L | 0.1000 | 77.9 % | 1-116 | |
| | | | BSRPD | ug/L | 0.1000 | 93.3% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 125 % | 70-130 | |
| Heptachlor | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 86.1 % | 19-119 | |
| | | | BS | ug/L | 0.1000 | 23.6 % | 13-100 | |
| | | | BSD | ug/L | 0.1000 | 65.7 % | 13-100 | |
| | | | BSRPD | ug/L | 0.1000 | 94.4% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| Heptachlor Epoxide | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 104 % | 18-131 | |
| | | | BS | ug/L | 0.1000 | 34.6 % | 0-127 | |
| | | | BSD | ug/L | 0.1000 | 87.0 % | 0-127 | |
| | | | BSRPD | ug/L | 0.1000 | 86.3% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 116 % | 70-130 | |
| Lindane | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 85.0 % | 22-181 | |
| | | | BS | ug/L | 0.1000 | 21.9 % | 0-234 | |
| | | | BSD | ug/L | 0.1000 | 66.8 % | 0-234 | |
| | | | BSRPD | ug/L | 0.1000 | 101% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 96.9 % | 70-130 | |
| Methoxychlor | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 105 % | 26-113 | |
| | | | BS | ug/L | 0.1000 | 29.0 % | 2-107 | |
| | | | BSD | ug/L | 0.1000 | 64.2 % | 2-107 | |
| | | | BSRPD | ug/L | 0.1000 | 75.4% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| o,p - DDD | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 104 % | 15-136 | |
| | | | BS | ug/L | 0.1000 | 32.2 % | 12-118 | |
| | | | BSD | ug/L | 0.1000 | 82.7 % | 12-118 | |
| | | | BSRPD | ug/L | 0.1000 | 88.0% | ≤25 | 410 |
| o,p - DDE | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| o,p - DDE | 625P | 09/20/17:211298caa | LCS | ug/L | 0.1000 | 98.1 % | 23-124 | |
| | | | BS | ug/L | 0.1000 | 29.3 % | 0-108 | |
| | | | BSD | ug/L | 0.1000 | 79.5 % | 0-108 | |
| | | | BSRPD | ug/L | 0.1000 | 92.3% | ≤25 | 410 |
| o,p - DDT | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 109 % | 27-131 | |
| | | | BS | ug/L | 0.1000 | 39.6 % | 0-124 | |
| | | | BSD | ug/L | 0.1000 | 103 % | 0-124 | |
| | | | BSRPD | ug/L | 0.1000 | 89.3% | ≤25 | 410 |
| p,p - DDD | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 97.7 % | 70-130 | |
| p,p - DDE | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 118 % | 70-130 | |
| p,p - DDT | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 111 % | 70-130 | |
| p,p`-DDD | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 95.5 % | 0-177 | |
| | | | BS | ug/L | 0.1000 | 28.8 % | 17-107 | |
| | | | BSD | ug/L | 0.1000 | 65.7 % | 17-107 | |
| | | | BSRPD | ug/L | 0.1000 | 78.2% | ≤25 | 410 |
| p,p`-DDE | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 87.6 % | 23-126 | |
| | | | BS | ug/L | 0.1000 | 30.6 % | 2-107 | |
| | | | BSD | ug/L | 0.1000 | 76.0 % | 2-107 | |
| | | | BSRPD | ug/L | 0.1000 | 85.2% | ≤25 | 410 |
| p,p`-DDT | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 89.6 % | 32-108 | |
| | | | BS | ug/L | 0.1000 | 19.8 % | 0-128 | |
| | | | BSD | ug/L | 0.1000 | 50.1 % | 0-128 | |
| | | | BSRPD | ug/L | 0.1000 | 86.7% | ≤25 | 410 |
| Tetrachloro-m-xylene | 625P | 09/20/17:211298caa | Blank | ug/L | 0.1000 | 57.4 % | 26-90 | |
| | | | LCS | ug/L | 0.1000 | 73.8 % | 26-90 | |
| | | | BS | ug/L | 0.1000 | 25.0 % | 26-90 | 436 |
| | | | BSD | ug/L | 0.1000 | 50.5 % | 26-90 | |
| | | | BSRPD | ug/L | 0.1000 | 67.6% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| trans-Nonachlor | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 107 % | 9-139 | |
| | | | BS | ug/L | 0.1000 | 34.4 % | 0-120 | |
| | | | BSD | ug/L | 0.1000 | 82.1 % | 0-120 | |
| | | | BSRPD | ug/L | 0.1000 | 81.8% | ≤25 | 410 |
| | 625P | 09/22/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |

**Definition**

| | |
|---|---|
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| **Definition** | |
|---|---|
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

| **Explanation** | |
|---|---|
| 360 | : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 362 | : Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| 410 | : Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 436 | : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Boron | 200.7 | | MS | mg/L | 4.000 | 108 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 4.000 | 112 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 3.5% | ≤20.0 | |
| | 200.7 | 09/17/17:213973AC | CCV | ppm | 5.000 | 98.8 % | 90-110 | |
| | | | CCB | ppm | | 0.041 | 0.1 | |
| | | | CCV | ppm | 5.000 | 100 % | 90-110 | |
| | | | CCB | ppm | | 0.039 | 0.1 | |
| Calcium | 200.7 | | MS | mg/L | 12.00 | 100 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 12.00 | 105 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.3% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 25.00 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.007 | 1 | |
| | | | CCV | ppm | 25.00 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.006 | 1 | |
| Copper | 200.7 | | MS | ug/L | 800.0 | 111 % | 75-125 | |
| | | (VI 1744799-002) | MSD | ug/L | 800.0 | 113 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 1.9% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 1.000 | 103 % | 90-110 | |
| | | | CCB | ppm | | 0.0007 | 0.01 | |
| | | | CCV | ppm | 1.000 | 103 % | 90-110 | |
| | | | CCB | ppm | | 0.0009 | 0.01 | |
| Iron | 200.7 | | MS | ug/L | 4000 | 108 % | 75-125 | |
| | | (VI 1744799-002) | MSD | ug/L | 4000 | 114 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 5.2% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 5.000 | 104 % | 90-110 | |
| | | | CCB | ppm | | 0.0064 | 0.03 | |
| | | | CCV | ppm | 5.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.0074 | 0.03 | |
| Magnesium | 200.7 | | MS | mg/L | 12.00 | 105 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 12.00 | 108 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.6% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 25.00 | 99.5 % | 90-110 | |
| | | | CCB | ppm | | 0.006 | 1 | |
| | | | CCV | ppm | 25.00 | 100 % | 90-110 | |
| | | | CCB | ppm | | 0.006 | 1 | |
| Manganese | 200.7 | | MS | ug/L | 800.0 | 109 % | 75-125 | |
| | | (VI 1744799-002) | MSD | ug/L | 800.0 | 112 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.2% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 1.000 | 100 % | 90-110 | |
| | | | CCB | ppm | | 0.0002 | 0.01 | |
| | | | CCV | ppm | 1.000 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.0003 | 0.01 | |
| Potassium | 200.7 | | MS | mg/L | 12.00 | 113 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 12.00 | 115 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.8% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 25.00 | 103 % | 90-110 | |
| | | | CCB | ppm | | -0.01 | 1 | |
| | | | CCV | ppm | 25.00 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.0006 | 1 | |
| Sodium | 200.7 | | MS | mg/L | 12.00 | 107 % | 75-125 | |
| | | (VI 1744799-002) | MSD | mg/L | 12.00 | 110 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 0.9% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 25.00 | 97.9 % | 90-110 | |
| | | | CCB | ppm | | -0.14 | 1 | |
| | | | CCV | ppm | 25.00 | 98.6 % | 90-110 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Sodium | 200.7 | 09/15/17:213964AC | CCB | ppm | | -0.09 | 1 | |
| Zinc | 200.7 | (VI 1744799-002) | MS | ug/L | 800.0 | 109 % | 75-125 | |
| | | | MSD | ug/L | 800.0 | 112 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.0% | ≤20.0 | |
| | 200.7 | 09/15/17:213964AC | CCV | ppm | 1.000 | 99.5 % | 90-110 | |
| | | | CCB | ppm | | -0.0006 | 0.02 | |
| | | | CCV | ppm | 1.000 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.0006 | 0.02 | |
| Aluminum | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | -0.1 | 10 | |
| | | | CCV | ppb | 120.0 | 96.4 % | 90-110 | |
| | | | CCB | ppb | | 0.007 | 10 | |
| Antimony | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.17 | 1 | |
| | | | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.21 | 1 | |
| Arsenic | 200.8 | 09/20/17:214239AC | CCV | ppb | 120.0 | 97.9 % | 90-110 | |
| | | | CCB | ppb | | -0.06 | 2 | |
| | | | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | -0.01 | 2 | |
| Barium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.018 | 0.2 | |
| | | | CCV | ppb | 120.0 | 103 % | 90-110 | |
| | | | CCB | ppb | | 0.059 | 0.2 | |
| Beryllium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 111 % | 90-110 | 360 |
| | | | CCB | ppb | | -0.020 | 0.2 | |
| | | | CCV | ppb | 120.0 | 99.5 % | 90-110 | |
| | | | CCB | ppb | | -0.015 | 0.2 | |
| Cadmium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 110 % | 90-110 | |
| | | | CCB | ppb | | 0.006 | 0.2 | |
| | | | CCV | ppb | 120.0 | 107 % | 90-110 | |
| | | | CCB | ppb | | 0.031 | 0.2 | |
| Chromium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 108 % | 90-110 | |
| | | | CCB | ppb | | 0.006 | 1 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | -0.004 | 1 | |
| Copper | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 110 % | 90-110 | |
| | | | CCB | ppb | | 0.040 | 0.5 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.094 | 0.5 | |
| Lead | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | -0.043 | 0.5 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.029 | 0.5 | |
| Nickel | 200.8 | 09/20/17:214239AC | CCV | ppb | 120.0 | 99.4 % | 90-110 | |
| | | | CCB | ppb | | 0.008 | 1 | |
| | | | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.008 | 1 | |
| Selenium | 200.8 | 09/20/17:214239AC | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.07 | 1 | |
| | | | CCV | ppb | 120.0 | 108 % | 90-110 | |
| | | | CCB | ppb | | 0.06 | 1 | |
| Silver | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.0040 | 0.25 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Silver | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 100 % | 90-110 | |
| | | | CCB | ppb | | 0.0280 | 0.25 | |
| Thallium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.004 | 0.2 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.037 | 0.2 | |
| Mercury | 245.1 | 09/29/17:211748ac | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.2000 | 99.4 % | 85-115 | |
| | | | MS | ug/L | 0.2000 | 93.5 % | 75-125 | |
| | | (SP 1711091-001) | MSD | ug/L | 0.2000 | 95.8 % | 75-125 | |
| | | | MSRPD | ug/L | 0.2000 | 2.4% | ≤20 | |
| | 245.1 | 09/29/17:214696AC | CCV | ppt | 200.0 | 106 % | 90-110 | |
| | | | CCB | ppt | | -6.7 | 20 | |
| | | | CCV | ppt | 200.0 | 106 % | 90-110 | |
| | | | CCB | ppt | | -6.7 | 20 | |
| Aluminum | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 40.00 | 100 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 68.8 % | 75-125 | 435 |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 93.3 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 10.8% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 85.0 % | 75-125 | |
| Antimony | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 104 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 104 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 101 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.8% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 102 % | 75-125 | |
| Arsenic | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 88.3 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 87.9 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 0.4% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 88.3 % | 75-125 | |
| Barium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 111 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 110 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 5.1% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 109 % | 75-125 | |
| Beryllium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 98.4 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 87.4 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 89.1 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.0% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 88.3 % | 75-125 | |
| Cadmium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 114 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 101 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.5 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.1% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 99.1 % | 75-125 | |
| Chromium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Chromium | 3010 | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.7 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 98.6 % | 75-125 | |
| Copper | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 97.3 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 95.7 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 95.8 % | 75-125 | |
| Lead | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 104 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 101 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.5% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 101 % | 75-125 | |
| Nickel | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 110 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.8 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 99.2 % | 75-125 | |
| Selenium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 108 % | 80-120 | |
| | | | MS | ug/L | 40.00 | 85.1 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 84.5 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 0.7% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 85.1 % | 75-125 | |
| Silver | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.25 | |
| | | | LCS | ug/L | 40.00 | 107 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 94.1 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 91.6 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.7% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 92.3 % | 75-125 | |
| Thallium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 103 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 100 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 101 % | 75-125 | |
| **Wet Chem** | | | | | | | | |
| Oil and Grease | 1664A | 09/21/17:211359AMM | Blank | mg/L | | ND | <3 | |
| | | | LCS | mg/L | 44.89 | 93.8 % | 78-114 | |
| | | | BS | mg/L | 44.89 | 101 % | 78-114 | |
| | | | BSD | mg/L | 44.89 | 107 % | 78-114 | |
| | | | BSRPD | mg/L | 44.89 | 6.1% | ≤18 | |
| Color | 2120B | (SP 1711220-006) | Dup | units | | 0.0 | 5 | |
| | 2120B | 09/16/17:213960jmg | CCB | units | | 0.00 | 5.0 | |
| | | | CCV | units | 10.00 | 100 % | 90-110 | |
| Turbidity | 2130B | (SP 1711294-005) | Dup | NTU | | 0.0010 | 0.1 | |
| | 2130B | 09/16/17:213950AMB | CCV | NTU | 10.00 | 100 % | 90-110 | |
| | | | CCB | NTU | | 0.087 | 0.1 | |
| | | | CCV | NTU | 10.00 | 100 % | 90-110 | |
| | | | CCB | NTU | | 0.088 | 0.1 | |
| Odor | 2150B | (SP 1711294-005) | Dup | TON | | 0.0 | 1 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Chromium VI | 218.6 | 09/18/17:211232JDD | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 2.000 | 100 % | 90-110 | |
| | | | MS | ug/L | 2.000 | 78.2 % | 75-125 | |
| | | (STK1751572-001) | MSD | ug/L | 2.000 | 92.9 % | 75-125 | |
| | | | MSRPD | ug/L | 2.000 | 2.8% | ≤20 | |
| | | | MS | ug/L | 2.000 | 104 % | 75-125 | |
| | | (CH 1777845-001) | MSD | ug/L | 2.000 | 106 % | 75-125 | |
| | | | MSRPD | ug/L | 2.000 | 1.8% | ≤20 | |
| | 218.6 | 09/18/17:214067JDD | CCB | ppb | | 0.000 | 0.1 | |
| | | | CCV | ppb | 5.000 | 102 % | 95-105 | |
| | | | CCB | ppb | | 0.000 | 0.1 | |
| | | | CCV | ppb | 5.000 | 101 % | 95-105 | |
| Alkalinity (as CaCO3) | 2320B | (CH 1778060-001) | Dup | mg/L | | 19.8% | 10 | 440 |
| | 2320B | 09/15/17:213953AMB | CCV | mg/L | 234.9 | 91.5 % | 90-110 | |
| | | | CCV | mg/L | 234.9 | 89.8 % | 90-110 | |
| Bicarbonate | 2320B | (CH 1778060-001) | Dup | mg/L | | 19.8% | 10 | 440 |
| Carbonate | 2320B | (CH 1778060-001) | Dup | mg/L | | 0.0 | 10 | |
| Hydroxide | 2320B | (CH 1778060-001) | Dup | mg/L | | 0.0 | 10 | |
| Conductivity | 2510B | 09/15/17:213887JMG | ICB | umhos/cm | | 0.40 | 1 | |
| | | | CCV | umhos/cm | 998.0 | 105 % | 95-105 | |
| | | | CCV | umhos/cm | 998.0 | 105 % | 95-105 | |
| E. C. | 2510B | 09/15/17:211087jmg | Blank | umhos/cm | | ND | <1 | |
| | | (SP 1711187-002) | Dup | umhos/cm | | 0.0% | 5 | |
| Total Dissolved Solids (TFR) | 2540CE | 09/15/17:211113CTL | Blank | mg/L | | 8.4 | 20 | |
| | | | LCS | mg/L | 997.3 | 97.6 % | 90-110 | |
| | | (SP 1711187-001) | Dup | mg/L | | 0.7% | 5 | |
| | | (SP 1711187-002) | Dup | mg/L | | 1.6% | 5 | |
| | 2540CE | 09/18/17:211119CTL | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 997.3 | 99.2 % | 90-110 | |
| | | (SP 1711217-001) | Dup | mg/L | | 3.4% | 5 | |
| | | (VI 1744870-001) | Dup | mg/L | | 1.9% | 5 | |
| Solids, Suspended | 2540D | 09/21/17:211390jba | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 50.14 | 101 % | 61-112 | |
| | | | LCS | mg/L | 50.14 | 97.7 % | 61-112 | |
| | | (VI 1744872-001) | Dup | mg/L | | 0.0% | 20 | |
| | | (VI 1744872-003) | Dup | mg/L | | 0.0% | 20 | |
| Chloride | 300.0 | | MS | mg/L | 50.00 | 104 % | 85-121 | |
| | | (VI 1744802-005) | MSD | mg/L | 50.00 | 104 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 0.02% | ≤19 | |
| | | | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 25.00 | 107 % | 90-110 | |
| | | | MS | mg/L | 50.00 | 92.3 % | 85-121 | |
| | | (VI 1744799-002) | MSD | mg/L | 50.00 | 93.5 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 0.7% | ≤19 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.11 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.00 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| Fluoride | 300.0 | | MS | mg/L | 5.000 | 96.7 % | 87-120 | |
| | | (VI 1744802-005) | MSD | mg/L | 5.000 | 96.7 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 0.03% | ≤16 | |
| | | | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 2.500 | 107 % | 90-110 | |
| | | | MS | mg/L | 5.000 | 104 % | 87-120 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Fluoride | 300.0 | (VI 1744799-002) | MSD | mg/L | 5.000 | 106 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 1.1% | ≤16 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 106 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 106 % | 90-110 | |
| Nitrate | 300.0 | | MS | mg/L | 40.00 | 104 % | 85-119 | |
| | | (VI 1744802-005) | MSD | mg/L | 40.00 | 103 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 0.2% | ≤19 | |
| | | | Blank | mg/L | | ND | <1.8 | |
| | | | LCS | mg/L | 20.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 40.00 | 113 % | 85-119 | |
| | | (VI 1744799-002) | MSD | mg/L | 40.00 | 111 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 1.4% | ≤19 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 107 % | 90-110 | |
| Nitrite | 300.0 | | MS | mg/L | 30.00 | 106 % | 74-126 | |
| | | (VI 1744802-005) | MSD | mg/L | 30.00 | 106 % | 74-126 | |
| | | | MSRPD | mg/L | 10.00 | 0.1% | ≤20 | |
| | | | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 15.00 | 107 % | 90-110 | |
| | | | MS | mg/L | 30.00 | 105 % | 74-126 | |
| | | (VI 1744799-002) | MSD | mg/L | 30.00 | 106 % | 74-126 | |
| | | | MSRPD | mg/L | 10.00 | 1.2% | ≤20 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 15.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 15.00 | 107 % | 90-110 | |
| Sulfate | 300.0 | | MS | mg/L | 100.0 | 103 % | 82-124 | |
| | | (VI 1744802-005) | MSD | mg/L | 100.0 | 103 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 0.03% | ≤23 | |
| | | | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 50.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 100.0 | 96.6 % | 82-124 | |
| | | (VI 1744799-002) | MSD | mg/L | 100.0 | 98.0 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 1.0% | ≤23 | |
| | 300.0 | 09/15/17:214205MCA | CCB | mg/L | | 0.246 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.155 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| Perchlorate | 314.0 | 09/29/17:212052MCA | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 25.00 | 104 % | 85-115 | |
| | | | MS | ug/L | 25.00 | 93.2 % | 80-120 | |
| | | (CH 1777767-001) | MSD | ug/L | 25.00 | 93.6 % | 80-120 | |
| | | | MSRPD | ug/L | 25.00 | 0.4% | ≤15 | |
| | 314.0 | 09/29/17:214809MCA | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 101 % | 85-115 | |
| | | | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 105 % | 85-115 | |
| Nitrogen, Total Kjeldahl | 351.2 | 09/28/17:211649jmg | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 12.00 | 90.5 % | 80-120 | |
| | | | MS | mg/L | 12.00 | 57.9 % | 54-136 | |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Nitrogen, Total Kjeldahl | 351.2 | (VI 1744823-002) | MSD | mg/L | 12.00 | 54.3 % | 54-136 | |
| | | | MSRPD | mg/L | 12.00 | 6.5% | ≤25 | |
| Chlorine | 4500ClG | 10/09/17:215175AMM | CCV | mg/L | 0.9937 | 107 % | 90-110 | |
| | | | CCB | mg/L | | -0.015 | 0.1 | |
| | | | CCV | mg/L | 0.9937 | 106 % | 90-110 | |
| | | | CCB | mg/L | | -0.019 | 0.1 | |
| Chlorine, Residual | 4500ClG | (VI 1744426-001) | Dup | mg/L | | 0.0082 | 0.1 | |
| Cyanide | 4500CNCE | 09/21/17:214193AMM | CCV | mg/L | 0.1000 | 97.2 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| | | | CCV | mg/L | 0.1000 | 97.2 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| Cyanide, Total | 4500CNCE | 09/20/17:211253AMM | Blank | mg/L | | ND | <0.004 | |
| | | | LCS | mg/L | 0.1000 | 107 % | 90-110 | |
| | | | LCS | mg/L | 0.4000 | 105 % | 90-110 | |
| | | | MS | mg/L | 0.05000 | 137 % | 26-226 | |
| | | (SP 1711091-003) | MSD | mg/L | 0.05000 | 132 % | 26-226 | |
| | | | MSRPD | mg/L | 0.05000 | 3.4% | ≤36 | |
| Ammonia Nitrogen | 4500NH3G | | MS | mg/L | 2.000 | 131 % | 70-130 | 435 |
| | | (STK1751678-002) | MSD | mg/L | 2.000 | 121 % | 70-130 | |
| | | | MSRPD | mg/L | 2.000 | 6.3% | ≤20 | |
| | 4500NH3G | 09/15/17:213889AMB | ICB | mg/L | | -0.077 | 0.2 | |
| | | | ICV | mg/L | 2.000 | 105 % | 90-110 | |
| | | | CCB | mg/L | | -0.112 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 103 % | 90-110 | |
| | | | CCB | mg/L | | -0.140 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 105 % | 90-110 | |
| Nitrite as Nitrogen | 4500NO2F | | MS | mg/L | 1.218 | 96.6 % | 50-150 | |
| | | (CH 1778069-002) | MSD | mg/L | 1.218 | 96.9 % | 50-150 | |
| | | | MSRPD | mg/L | 1.218 | 0.3% | ≤30 | |
| Nitrate + Nitrite as N | 4500NO3F | | MS | mg/L | 28.04 | 38.5 % | 5-285 | |
| | | (CH 1778069-002) | MSD | mg/L | 28.04 | 38.8 % | 5-285 | |
| | | | MSRPD | mg/L | 28.04 | 0.6% | ≤30.4 | |
| | 4500NO3F | 09/15/17:213928JDD | CCB | mg/L | | 0.060 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 98.5 % | 90-110 | |
| | | | CCB | mg/L | | 0.047 | 0.1 | |
| | | | CCV | mg/L | 11.22 | 97.2 % | 90-110 | |
| Nitrite as Nitrogen | 4500NO3F | 09/15/17:213927JDD | CCB | mg/L | | 0.01100 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 100 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.012 | |
| | | | CCV | mg/L | 1.218 | 104 % | 90-110 | |
| Phosphorus | 4500-P B | 09/25/17:211523sjn | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 97.4 % | 90-116 | |
| | | | MS | mg/L | 0.2800 | 80.0 % | 25-292 | |
| | | (CC 1783468-001) | MSD | mg/L | 0.2800 | 71.0 % | 25-292 | |
| | | | MSRPD | mg/L | 0.2800 | 2.8% | ≤13.2 | |
| Total Phosphorus | 4500PE | 09/25/17:214428SJN | CCB | mg/L | | -0.002 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 96.3 % | 90-110 | |
| | | | CCB | mg/L | | -0.01 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 101 % | 90-110 | |
| BOD | 5210B | 09/15/17:211094kmm | RgBlk | mg/L | | 0.20 | 2 | |
| | | | LCS | mg/L | 198.0 | 114 % | 84.6-115 | |
| | | (SP 1711229-002) | Dup | mg/L | | 5.4% | 15.9 | |
| | | (SP 1711229-002) | Dup | mg/L | | 15.8% | 15.9 | |
| | | (SP 1711229-002) | Dup | mg/L | | 16.7% | 15.9 | 440 |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| BOD | 5210B | 09/20/17:214314kmm | CCV | mg/L | 1.000 | 101 % | 80-120 | |
| | | | CCV | mg/L | 1.000 | 102 % | 80-120 | |
| MBAS | 5540C | 09/15/17:214073jmg | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 10.00 | 100 % | 99-101 | |
| MBAS Screen | 5540C | (SP 1711221-001) | MS | mg/L | 10.00 | 100 % | 90-110 | |
| | | | MSD | mg/L | 10.00 | 100 % | 90-110 | |
| | | | MSRPD | mg/L | 10.00 | 0.0 | ≤0.1 | |
| Nitrogen, Total Kjeldahl | EPA351.2 | 09/29/17:214676AMB | ICB | mg/L | | -0.454 | 0.5 | |
| | | | ICV | mg/L | 5.000 | 105 % | 90-110 | |
| | | | CCB | mg/L | | -0.414 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 106 % | 90-110 | |

**Definition**

| | |
|---|---|
| PDS | : PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery. |
| ICV | : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| ICB | : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| RgBlk | : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| Dup | : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

**Explanation**

| | |
|---|---|
| 360 | : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 440 | : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Radio

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Radio** | | | | | | | | |
| Beta | 900.0 | 10/13/17:215586aat | CCV | cpm | 8672 | 90.2 % | 83-94 | |
| | | | CCB | cpm | | 0.8000 | 1.03 | |
| Gross Beta | 900.0 | 10/11/17:212249aat | Blank | pCi/L | | -0.18 | 4 | |
| | | | LCS | pCi/L | 71.16 | 88.7 % | 84-160 | |
| | | | BS | pCi/L | 71.16 | 107 % | 80-130 | |
| | | | BSD | pCi/L | 71.16 | 105 % | 80-130 | |
| | | | BSRPD | pCi/L | 107.8 | 2.0% | ≤30 | |
| Alpha | 903.0 | 09/28/17:214650aat | CCV | cpm | 8311 | 40.4 % | 37-46 | |
| | | | CCB | cpm | | 0.100 | 0.16 | |
| Total Alpha Radium (226) | 903.0 | 09/24/17:211451elc | RgBlk | pCi/L | | 0.01 | 2 | |
| | | | LCS | pCi/L | 21.85 | 53.6 % | 52-107 | |
| | | | BS | pCi/L | 21.85 | 72.3 % | 43-111 | |
| | | | BSD | pCi/L | 21.85 | 65.7 % | 43-111 | |
| | | | BSRPD | pCi/L | 21.85 | 9.5% | ≤35.5 | |
| Tritium | 906.0 | 09/16/17:211140elc | Blank | pCi/L | | 97 | 300 | |
| | | | LCS | pCi/L | 1652 | 124 % | 75-125 | |
| | | | BS | pCi/L | 1652 | 110 % | 75-125 | |
| | | | BSD | pCi/L | 1652 | 112 % | 75-125 | |
| | | | BSRPD | pCi/L | 1652 | 1.6% | ≤25 | |
| | 906.0 | 09/17/17:213990elc | CCV | pCi/L | 28450 | 103 % | 90-110 | |
| | | | CCB | pCi/L | | 9 | 500 | |
| Alpha | 908.0 | 09/29/17:214757aat | CCV | cpm | 8310 | 39.9 % | 36-45 | |
| | | | CCB | cpm | | 0.100 | 0.16 | |
| Uranium | 908.0 | 09/25/17:211488rmm | RgBlk | pCi/L | | 0.55 | 1 | |
| | | | LRS | pCi/L | 21.48 | 78.7 % | 54-105 | |
| | | | BS | pCi/L | 21.48 | 121 % | 75-125 | |
| | | | BSD | pCi/L | 21.48 | 104 % | 75-125 | |
| | | | BSRPD | pCi/L | 21.48 | 15.0% | ≤20 | |
| Beta | Ra - 05 | 10/05/17:215053emv | CCV | cpm | 8678 | 87.4 % | 84-94 | |
| | | | CCB | cpm | | 0.4400 | 0.58 | |
| Ra 228 | Ra - 05 | 10/01/17:211578emv | RgBlk | pCi/L | | 0.03 | 3 | |
| | | | LRS | pCi/L | 36.26 | 77.3 % | 65-108 | |
| | | | BS | pCi/L | 36.26 | 93.8 % | 75-125 | |
| | | | BSD | pCi/L | 36.26 | 94.5 % | 75-125 | |
| | | | BSRPD | pCi/L | 36.26 | 0.7% | ≤25 | |
| Alpha | SM7110C | 10/03/17:214934RMM | CCV | cpm | 8307 | 39.9 % | 26-59 | |
| | | | CCB | cpm | | 0.0200 | 0.12 | |
| Gross Alpha | SM7110C | 09/28/17:211691rmm | RgBlk | pCi/L | | 0.25 | 3 | |
| | | | LCS | pCi/L | 86.54 | 110 % | 75-125 | |
| | | | BS | pCi/L | 86.54 | 115 % | 60-140 | |
| | | | BSD | pCi/L | 86.54 | 122 % | 60-140 | |
| | | | BSRPD | pCi/L | 86.54 | 5.8% | ≤30 | |

**Definition**

| | |
|---|---|
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| RgBlk | : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| LRS | : Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |

October 17, 2017 Lab ID : SP 1711220
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Radio

| **Definition** | |
|---|---|
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

September 22, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711220**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-EPA 547

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-22

Enclosure

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

**Work Order Number: B7I1372**
Received on Ice (Y/N): Yes Temp: 5 °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 |
|---|---|---|---|---|---|---|
| B7I1372-01 | MCWP-07D Grab | Water | 09/14/17 8:55 | Matt P./Ryan S. | 09/15/17 10:10 | Courier (GSO) |

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

**Work Order Number: B7I1372**
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
**B7I1372-01**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| MCWP-07D | Water | 09/14/17 08:55 | 09/15/17 10:10 |

| Analyte(s) | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|
| Glyphosate by EPA 547 | | | | | | | |
| Glyphosate | ND | 25 | ug/L | EPA 547 | 09/18/17 20:04 | JHR | |

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

**Work Order Number: B7I1372**
Received on Ice (Y/N): Yes Temp: 5 °C

## Glyphosate by EPA 547 - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 7I18133 - None** | | | | | | | | | | |
| **Blank (7I18133-BLK1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | ND | 25 | ug/L | | | | | | | |
| **LCS (7I18133-BS1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 92.3 | 25 | ug/L | 100 | | 92.3 | 80-120 | | | |
| **LCS Dup (7I18133-BSD1)** | | | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 177 | 25 | ug/L | 200 | | 88.3 | 80-120 | 4.40 | 40 | |
| **Matrix Spike (7I18133-MS1)** | | **Source: B7I1081-01** | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 91.3 | 25 | ug/L | 100 | ND | 91.3 | 66-126 | | | |
| **Matrix Spike (7I18133-MS2)** | | **Source: B7I1083-01** | | Prepared & Analyzed: 09/18/17 | | | | | | |
| Glyphosate | 93.4 | 25 | ug/L | 100 | ND | 93.4 | 66-126 | | | |

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

**Work Order Number: B7I1372**
Received on Ice (Y/N): Yes Temp: 5 °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

* / (Non-NELAP): 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.



**Nancy H. Boulineau For Cindy A. Waddell**

cc:

e-Standard_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

**Work Order Number: B7I1372**
Received on Ice (Y/N): Yes Temp: 5 °C

## Subcontract to
## Babcock Laboratories, Inc.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711220 - (2-25173)**
Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Method of Sampling: Composite(C) Grab(G)
Type of Sample **SEE REVERSE SIDE**
Potable(P) Non-Potable(NP) Ag Water(AgW)
Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)
Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)
Sub Contracted-EPA 547 8oz(P)

| Samp Num | Location Description | Date Sampled | Time Sampled | Map Ref. |
|---|---|---|---|---|
| 6 | MCWP-07D | 09/14/17 | 08:55 | 125 AMBER |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | 5° C ON ICE-INITIAL |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/14/17 | 17:30 | GSO | 9/15/17 | 10:10 | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | [signature] ESB | 9/15/17 | 10:10 | | | |

B7I1372 NT

SEP 15 2017

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

September 25, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711220**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Bromate,Chlorite, Low-Level

Please note that this analysis was performed by Test America - Irvine (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-25

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-192308-1
Client Project/Site: SP 1711220 - (2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

*Authorized for release by:*
*9/25/2017 4:29:15 PM*

Janice Hsu, Project Manager I
(949)261-1022
janice.hsu@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 2
Sample Summary . . . . . 3
Case Narrative . . . . . 4
Client Sample Results . . . . . 5
Method Summary . . . . . 6
Lab Chronicle . . . . . 7
QC Sample Results . . . . . 8
QC Association Summary . . . . . 10
Definitions/Glossary . . . . . 11
Certification Summary . . . . . 12
Chain of Custody . . . . . 13
Receipt Checklists . . . . . 14

# Sample Summary

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 440-192308-1 | MCWP-07D | Water | 09/14/17 08:55 | 09/15/17 08:45 |

## Job ID: 440-192308-1

### Laboratory: TestAmerica Irvine

**Narrative**

**Job Narrative**
**440-192308-1**

**Comments**
No additional comments.

**Receipt**
The sample was received on 9/15/2017 8:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

**HPLC/IC**
Method(s) 300.1B: The following sample was diluted for the chlorite analyte due to the nature of the sample matrix: MCWP-07D (440-192308-1). Elevated reporting limits (RLs) are provided.

Method(s) 300.1B: The following sample was diluted for the bromate analyte due to the nature of the sample matrix: MCWP-07D (440-192308-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

**Client Sample ID: MCWP-07D**
**Date Collected: 09/14/17 08:55**
**Date Received: 09/15/17 08:45**

**Lab Sample ID: 440-192308-1**
**Matrix: Water**

**Method: 300.1B - Disinfection By-Products, (IC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 25 | 13 | ug/L | | | 09/17/17 21:41 | 5 |
| Chlorite | ND | | 100 | 50 | ug/L | | | 09/17/17 21:41 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* | | *09/17/17 21:41* | *5* |
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* | | *09/17/17 21:41* | *5* |

# Method Summary

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 300.1B | Disinfection By-Products, (IC) | EPA | TAL IRV |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

# Lab Chronicle

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

**Client Sample ID: MCWP-07D**
**Date Collected: 09/14/17 08:55**
**Date Received: 09/15/17 08:45**

**Lab Sample ID: 440-192308-1**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.1B | | 5 | | | 429422 | 09/17/17 21:41 | YZ | TAL IRV |
| Total/NA | Analysis | 300.1B | | 5 | | | 429423 | 09/17/17 21:41 | YZ | TAL IRV |

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

## Method: 300.1B - Disinfection By-Products, (IC)

**Lab Sample ID: MB 440-429422/5**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 5.0 | 2.5 | ug/L | | | 09/17/17 10:49 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* | | *09/17/17 10:49* | *1* |

**Lab Sample ID: LCS 440-429422/4**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | | | 25.0 | 26.1 | | ug/L | | 104 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* |

**Lab Sample ID: MRL 440-429422/3**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | | | 5.00 | 6.05 | | ug/L | | 121 | 50 - 150 | | |

| *Surrogate* | *MRL %Recovery* | *MRL Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* |

**Lab Sample ID: 440-192273-A-2 MS**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 50.0 | 58.4 | | ug/L | | 117 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* |

**Lab Sample ID: 440-192273-A-2 MSD**
**Matrix: Water**
**Analysis Batch: 429422**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 50.0 | 61.5 | | ug/L | | 123 | 75 - 125 | 5 | 25 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* |

## Method: 300.1B - Disinfection By-Products, (IC) (Continued)

**Lab Sample ID: MB 440-429423/5**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chlorite | ND | | 20 | 10 | ug/L | | | 09/17/17 10:49 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* | | *09/17/17 10:49* | *1* |

**Lab Sample ID: LCS 440-429423/4**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | | | 100 | 111 | | ug/L | | 111 | 85 - 115 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *102* | | *90 - 115* |

**Lab Sample ID: MRL 440-429423/3**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | | | 20.0 | 20.9 | | ug/L | | 104 | 10 - 200 | | |

| *Surrogate* | *MRL %Recovery* | *MRL Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* |

**Lab Sample ID: 440-192273-A-2 MS**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | 21 | | 200 | 242 | | ug/L | | 111 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *103* | | *90 - 115* |

**Lab Sample ID: 440-192273-A-2 MSD**
**Matrix: Water**
**Analysis Batch: 429423**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | 21 | | 200 | 249 | | ug/L | | 114 | 75 - 125 | 3 | 25 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

## HPLC/IC

### Analysis Batch: 429422

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 440-192308-1 | MCWP-07D | Total/NA | Water | 300.1B | |
| MB 440-429422/5 | Method Blank | Total/NA | Water | 300.1B | |
| LCS 440-429422/4 | Lab Control Sample | Total/NA | Water | 300.1B | |
| MRL 440-429422/3 | Lab Control Sample | Total/NA | Water | 300.1B | |
| 440-192273-A-2 MS | Matrix Spike | Total/NA | Water | 300.1B | |
| 440-192273-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.1B | |

### Analysis Batch: 429423

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 440-192308-1 | MCWP-07D | Total/NA | Water | 300.1B | |
| MB 440-429423/5 | Method Blank | Total/NA | Water | 300.1B | |
| LCS 440-429423/4 | Lab Control Sample | Total/NA | Water | 300.1B | |
| MRL 440-429423/3 | Lab Control Sample | Total/NA | Water | 300.1B | |
| 440-192273-A-2 MS | Matrix Spike | Total/NA | Water | 300.1B | |
| 440-192273-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.1B | |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

## Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| Alaska | State Program | 10 | CA01531 | 06-30-18 |
| Arizona | State Program | 9 | AZ0671 | 10-14-17 * |
| California | LA Cty Sanitation Districts | 9 | 10256 | 06-30-18 |
| California | State Program | 9 | CA ELAP 2706 | 06-30-18 |
| Guam | State Program | 9 | Cert. No. 17-003R | 01-23-18 |
| Hawaii | State Program | 9 | N/A | 01-29-18 |
| Kansas | NELAP Secondary AB | 7 | E-10420 | 07-31-17 * |
| Nevada | State Program | 9 | CA015312018-1 | 07-31-18 |
| New Mexico | State Program | 6 | N/A | 01-29-18 * |
| Northern Mariana Islands | State Program | 9 | MP0002 | 01-29-17 * |
| Oregon | NELAP | 10 | 4028 | 01-29-18 |
| USDA | Federal | | P330-15-00184 | 07-08-18 |
| Washington | State Program | 10 | C900 | 09-03-18 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Subcontract to
# Test America - Irvine

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ____/____/____ Time: ____/____

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | MCWP-07D | 09/14/17 | 08:55 | G | MW | | | | 1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/14/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| G50 | | | | 9/14/17 | 0845 | | | |

3.5/3.8-84

5376160411

9/19/17

Page 13 of 14

9/25/2017

440-192308 Chain of Custody

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 440-192308-1

**Login Number: 192308**
**List Number: 1**
**Creator: Garcia, Veronica G**

**List Source: TestAmerica Irvine**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | Not Present |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

September 29, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711220**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium 90

Please note that this analysis was performed by Test America- St. Louis Missouri

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-29

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-24507-1
Client Project/Site: SP 1711220-(2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Rhonda Ridenhower

*Authorized for release by:*
*9/29/2017 11:38:04 AM*

Rhonda Ridenhower, Manager of Project Management
(314)298-8566
rhonda.ridenhower@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 2
Case Narrative . . . . . 3
Chain of Custody . . . . . 4
Receipt Checklists . . . . . 5
Definitions/Glossary . . . . . 6
Method Summary . . . . . 7
Sample Summary . . . . . 8
Client Sample Results . . . . . 9
QC Sample Results . . . . . 10
QC Association Summary . . . . . 11
Tracer Carrier Summary . . . . . 12

## Job ID: 160-24507-1

**Laboratory: TestAmerica St. Louis**

**Narrative**

# CASE NARRATIVE

## Client: FGL Environmental

## Project: SP 1711220-(2-25173)

## Report Number: 160-24507-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

**RECEIPT**

The samples were received on 09/15/2017; the samples arrived in good condition, properly preserved. The temperatures of the 2 coolers at receipt time were 18.0º C and 18.0º C.

**STRONTIUM-90 (GFPC)**

Sample MCWP-07D (160-24507-1) was analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 09/19/2017 and analyzed on 09/27/2017.

Insufficient sample volume was available to perform a sample duplicate (DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.
MCWP-07D (160-24507-1)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Subcontract to
# Test America- St. Louis Missouri

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ____/____/____ Time: ____/____

Lab Number:

Map Ref.

160-24507 Chain of Custody

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-Strontium 90 - "With 7-Day In-Growth" 8oz(P) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | MCWP-07D | 09/14/17 | 08:55 | G | MW | | | | 1 | | | | | | | | | | |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/14/17 | 17:30 | UPS | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| UPS Next Day | ↓ | ↓ | | 9/15/17 | 0900 | | | |

KNT 9/15/17

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 160-24507-1

**Login Number: 24507**
**List Number: 1**
**Creator: Taylor, Kristene N**

**List Source: TestAmerica St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Definitions/Glossary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Method Summary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 905 | Strontium-90 (GFPC) | EPA | TAL SL |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 160-24507-1 | MCWP-07D | Water | 09/14/17 08:55 | 09/15/17 09:00 |

# Client Sample Results

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

**Client Sample ID: MCWP-07D**
**Date Collected: 09/14/17 08:55**
**Date Received: 09/15/17 09:00**

**Lab Sample ID: 160-24507-1**
**Matrix: Water**

## Method: 905 - Strontium-90 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | 0.175 | U | 0.204 | 0.205 | 3.00 | 0.337 | pCi/L | 09/19/17 10:00 | 09/27/17 18:10 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *90.1* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:10* | *1* |
| *Y Carrier* | *98.3* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:10* | *1* |

## Method: 905 - Strontium-90 (GFPC)

**Lab Sample ID: MB 160-327874/1-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | -0.1239 | U | 0.233 | 0.233 | 3.00 | 0.435 | pCi/L | 09/19/17 10:00 | 09/27/17 18:10 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *82.4* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:10* | *1* |
| *Y Carrier* | *99.4* | | *40 - 110* | *09/19/17 10:00* | *09/27/17 18:10* | *1* |

**Lab Sample ID: LCS 160-327874/2-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | | | 11.2 | 10.01 | | 1.04 | 3.00 | 0.307 | pCi/L | 90 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Sr Carrier* | *91.1* | | *40 - 110* |
| *Y Carrier* | *102* | | *40 - 110* |

**Lab Sample ID: LCSD 160-327874/3-A**
**Matrix: Water**
**Analysis Batch: 329242**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 327874**

| Analyte | | | Spike Added | LCSD Result | LCSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | | | 11.2 | 10.21 | | 1.07 | 3.00 | 0.359 | pCi/L | 91 | 75 - 125 | 0.09 | 1 |

| *Carrier* | *LCSD %Yield* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Sr Carrier* | *89.9* | | *40 - 110* |
| *Y Carrier* | *97.9* | | *40 - 110* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

## Rad

### Prep Batch: 327874

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-24507-1 | MCWP-07D | Total/NA | Water | PrecSep-7 | |
| MB 160-327874/1-A | Method Blank | Total/NA | Water | PrecSep-7 | |
| LCS 160-327874/2-A | Lab Control Sample | Total/NA | Water | PrecSep-7 | |
| LCSD 160-327874/3-A | Lab Control Sample Dup | Total/NA | Water | PrecSep-7 | |

# Tracer/Carrier Summary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

## Method: 905 - Strontium-90 (GFPC)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | Sr (C) (40-110) | Y (40-110) |
| 160-24507-1 | MCWP-07D | 90.1 | 98.3 |
| LCS 160-327874/2-A | Lab Control Sample | 91.1 | 102 |
| LCSD 160-327874/3-A | Lab Control Sample Dup | 89.9 | 97.9 |
| MB 160-327874/1-A | Method Blank | 82.4 | 99.4 |

**Tracer/Carrier Legend**

Sr (C) = Sr Carrier
Y = Y Carrier

October 3, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711220**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted - Asbestos

Please note that this analysis was performed by LA Testing

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-03

Enclosure

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321722029
Customer ID: FGLE25
Customer PO:
Project ID:

**Attn:** Confirmations Log in
FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/14/2017
Received: 09/15/2017
Analyzed: 09/29/2017

**Proj:** SP 1711220 - (2-25173)

## Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

| Sample ID Client / EMSL | Sample Filtration Date/Time | Original Sample Vol. Filtered (ml) | Effective Filter Area (mm²) | Area Analyzed (mm²) | ASBESTOS Asbestos Types | Fibers Detected | Analytical Sensitivity | Concentration | Confidence Limits |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MFL (million fibers per liter) | |
| 6<br>321722029-0001 | 9/15/2017<br>11:50 AM | 100 | 1288 | 0.0640 | None Detected | ND | 0.20 | <0.20 | 0.00 - 0.74 |

MDL for the TEM EPA 100.2 Method(EPA 600/R-94/134) is 0.2 mfl.

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Report amended: 10/03/2017 10:31:06 Replaces initial report from:09/29/2017 12:04:17 Reason Code: Comment added

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

# Subcontract to LA Testing

#3217220 29

OrderID: 321722029

Page 1 Of 1

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** Potable(P) Non-Potable(NP) Ag Water(AgW) Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P) | Map Ref. |
|---|---|---|---|---|---|---|---|
| 6 | MCWP-07D | 09/14/17 | 08:55 | G | MW | 1 | |

Remarks:

Relinquished: [signature] Date: 9/14/17 Time: 17:30

Received By: GSO Date: 9/15/17 Time: 10:30

Relinquished: Date: Time:

Received By: DFlores Date: 9/15/17 Time: 10:30am

Relinquished: Date: Time:

Received By: Date: Time:

Temp: 6.0°C

October 4, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711220**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-04

Enclosure

October 04, 2017

**Vista Work Order No. 1701257**

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 15, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1711220-(2-25173)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

**Vista Work Order No. 1701257**
**Case Narrative**

**Sample Condition on Receipt:**

One monitoring well sample was received in good condition and within the method temperature requirements. The sample was received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

**Analytical Notes:**

**EPA Method 1613**

This sample was extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613 using a ZB-5MS GC column.

Holding Times

The sample was extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS


Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 9

Certifications..... 10

Sample Receipt..... 13

# Sample Inventory Report

| Vista Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 1701257-01 | MCWP-07D | 14-Sep-17 08:55 | 15-Sep-17 10:00 | Amber Glass NM Bottle, 1L |

## ANALYTICAL RESULTS

**Sample ID: Method Blank** — **EPA Method 1613B**

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B7I0161 | Lab Sample: | B7I0161-BLK1 |
| Sample Size: | 1.00 L | Date Extracted: | 29-Sep-2017 10:00 | Date Analyzed : | 03-Oct-17 17:18 Column: ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 5.00 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 88.7 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 100 | 42 - 164 | |

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

| **Sample ID:** | **OPR** | | | | | | **EPA Method 1613B** |
|---|---|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B7I0161 | Lab Sample: | B7I0161-BS1 | | |
| Sample Size: | 1.00 L | Date Extracted: | 29-Sep-2017 10:00 | Date Analyzed: | 03-Oct-17 15:41 | Column: | ZB-5MS |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits |
|---|---|---|---|---|
| 2,3,7,8-TCDD | 191 | 200 | 95.4 | 73 - 146 |

| | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 95.5 | 25 - 141 |
| CRS | 37Cl-2,3,7,8-TCDD | 111 | 37 - 158 |

LCL-UCL - Lower control limit - upper control limit

## Sample ID: MCWP-07D

**EPA Method 1613B**

| Client Data | | Sample Data | | Laboratory Data | | | |
|---|---|---|---|---|---|---|---|
| Name: | FGL Environmental, Inc. | Matrix: | Monitoring Well | Lab Sample: | 1701257-01 | Date Received: | 15-Sep-2017 10:00 |
| Project: | SP 1711220-(2-25173) | Sample Size: | 1.02 L | QC Batch: | B7I0161 | Date Extracted: | 29-Sep-2017 10:00 |
| Date Collected: | 14-Sep-2017 8:55 | | | Date Analyzed : | 03-Oct-17 23:46 | Column: | ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 4.90 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 91.4 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 107 | 42 - 164 | |

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| **B** | **This compound was also detected in the method blank.** |
| **D** | **Dilution** |
| **E** | **The associated compound concentration exceeded the calibration range of the instrument.** |
| **H** | **Recovery and/or RPD was outside laboratory acceptance limits.** |
| **I** | **Chemical Interference** |
| **J** | **The amount detected is below the Reporting Limit/LOQ.** |
| **M** | **Estimated Maximum Possible Concentration. (CA Region 2 projects only)** |
| ***** | **See Cover Letter** |
| **Conc.** | **Concentration** |
| **NA** | **Not applicable** |
| **ND** | **Not Detected** |
| **TEQ** | **Toxic Equivalency** |
| **U** | **Not Detected (specific projects only)** |

**Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.**

## CERTIFICATIONS

| Accrediting Authority | Certificate Number |
|---|---|
| Arkansas Department of Environmental Quality | 17-015-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005 | 3091.01 |
| Florida Department of Health | E87777-18 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2016026 |
| Minnesota Department of Health | 1175673 |
| New Hampshire Environmental Accreditation Program | 207716 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Oregon Laboratory Accreditation Program | 4042-008 |
| Pennsylvania Department of Environmental Protection | 013 |
| Texas Commission on Environmental Quality | T104704189-17-8 |
| Virginia Department of General Services | 8621 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

## NELAP Accredited Test Methods

| MATRIX: Air | |
|---|---|
| **Description of Test** | **Method** |
| Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans | EPA 23 |

| MATRIX: Biological Tissue | |
|---|---|
| **Description of Test** | **Method** |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613B |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS | EPA 1699 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

| MATRIX: Drinking Water | |
|---|---|
| **Description of Test** | **Method** |
| 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS | EPA 1613 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |

| MATRIX: Non-Potable Water | |
|---|---|
| **Description of Test** | **Method** |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613B |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS | EPA 1699 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Dioxin by GC/HRMS | EPA 613 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

| MATRIX: Solids | |
|---|---|
| **Description of Test** | **Method** |
| Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613 |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope | EPA 1613B |

| | |
|---|---|
| Dilution GC/HRMS | |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

# Subcontract to
# Vista Analytical Laboratory

1701257, 2.7°C

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ____/____/____ Time: ____/____

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT) | | | | | | | | | | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | MCWP-07D | 09/14/17 | 08:55 | G | MW | | | | 2 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/14/17 | 17:30 | GSO | 9/15/17 | 1000 | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | [signature] | 9/15/17 | 1010 | | | |

Vista Analytical Laboratory

# Sample Log-in Checklist

**Vista Work Order #:** 1701257 **TAT** Std

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Samples Arrival:** | **Date/Time** 09/15/17 1000 | | **Initials:** SR | | **Location:** WR-2 **Shelf/Rack:** N/A | | |
| **Logged In:** | **Date/Time** 09/15/17 1630 | | **Initials:** SR | | **Location:** WR-2 **Shelf/Rack:** B2 | | |
| **Delivered By:** | FedEx | UPS | On Trac | (GSO) | DHL | Hand Delivered | Other |
| **Preservation:** | (Ice) | | (Blue Ice) | | Dry Ice | | None |
| **Temp °C:** 2.6 (uncorrected) **Temp °C:** 2.7 (corrected) | | | **Time:** 1002 **Probe used:** Yes☐ No☒ | | **Thermometer ID:** IR-1 | | |

| | YES | NO | NA |
|---|---|---|---|
| Adequate Sample Volume Received? 1 Liter | ✓ | | |
| Holding Time Acceptable? | ✓ | | |
| Shipping Container(s) Intact? | ✓ | | |
| Shipping Custody Seals Intact? | | | ✓ |
| Shipping Documentation Present? | ✓ | | |
| Airbill Trk # 537616007 | ✓ | | |
| Sample Container Intact? | ✓ | | |
| Sample Custody Seals Intact? | | | ✓ |
| Chain of Custody / Sample Documentation Present? | ✓ | | |
| COC Anomaly/Sample Acceptance Form completed? | | ✓ | ✓ |

| | | | | | | |
|---|---|---|---|---|---|---|
| If Chlorinated or Drinking Water Samples, Acceptable Preservation? | | | | | | ✓ |
| Preservation Documented: | $Na_2S_2O_3$ | Trizma | (None) | | Yes | (No) (NA) |
| Shipping Container | Vista | (Client) | Retain | Return | Dispose | |

*Comments:*

October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711220**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 525

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-17

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
AT-1807

# Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
10/16/2017
EUROFINS EATON ANALYTICAL, INC.

NELAP ACCREDITED TNI LABORATORY
ORELAP 4034

Report: 686845
Project: DRINKING
Group: ORGANICS - EPA 500's

MP6E: Alicia Del Carlo
Project Manager

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

# STATE CERTIFICATION LIST

| State | Certification Number | State | Certification Number |
|---|---|---|---|
| **Alabama** | 41060 | **Michigan** | 9906 |
| **Arizona** | AZ0778 | **Mississippi** | Certified |
| **Arkansas** | Certified | **Montana** | Cert 0035 |
| **California-Monrovia-ELAP** | 2813 | **Nebraska** | Certified |
| **California-Colton- ELAP** | 2812 | **Nevada** | CA00006-2016 |
| **California-Folsom- ELAP** | 2820 | **New Hampshire *** | 2959 |
| **California-Fresno- ELAP** | 2966 | **New Jersey *** | CA 008 |
| **Colorado** | Certified | **New Mexico** | Certified |
| **Connecticut** | PH-0107 | **New York *** | 11320 |
| **Delaware** | CA 006 | **North Carolina** | 06701 |
| **Florida *** | E871024 | **North Dakota** | R-009 |
| **Georgia** | 947 | **Oregon (Primary AB) *** | **ORELAP 4034** |
| **Guam** | 17-005R | **Pennsylvania *** | 68-565 |
| **Hawaii** | Certified | **Puerto Rico** | Certified |
| **Idaho** | Certified | **Rhode Island** | LAO00326 |
| **Illinois *** | 200033 | **South Carolina** | 87016 |
| **Indiana** | C-CA-01 | **South Dakota** | Certified |
| **Iowa - Asbestos** | 413 | **Tennessee** | TN02839 |
| **Kansas *** | E-10268 | **Texas *** | T104704230-16-11 |
| **Kentucky** | 90107 | **Utah *** | CA000062017-11 |
| **Louisiana *** | LA170009 | **Vermont** | VT0114 |
| **Maine** | CA0006 | **Virginia *** | 460260 |
| **Maryland** | 224 | **Washington** | C838 |
| **Commonwealth of Northern Marianas Is.** | MP0004 | **EPA Region 5** | Certified |
| **Massachusetts** | M-CA006 | **Los Angeles County Sanitation Districts** | 10264 |

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 626-386-1101
www.EatonAnalytical.com

ISO 17025 Accredited Method List

**The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.**

**Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com**

| SPECIFIC TESTS | METHOD OR TECHNIQUE USED | Environ-mental (Drinking Water) | Environ-mental (Waste Water) | Water as a Component of Food and Bev/Bev/ Bottled Water |
|---|---|---|---|---|
| 1,4-Dioxane | EPA 522 | x | | x |
| 2,3,7,8-TCDD | Modified EPA 1613B | x | | x |
| Acrylamide | In House Method (2440) | x | | x |
| Alkalinity | SM 2320B | x | x | x |
| Ammonia | EPA 350.1 | | x | x |
| Ammonia | SM 4500-NH3 H | | x | x |
| Anions and DBPs by IC | EPA 300.0 | x | x | x |
| Anions and DBPs by IC | EPA 300.1 | x | | x |
| Asbestos | EPA 100.2 | x | x | |
| Bicarbonate Alkalinity as HCO3 | SM 2320B | x | x | x |
| BOD / CBOD | SM 5210B | | x | x |
| Bromate | In House Method (2447) | x | | x |
| Carbamates | EPA 531.2 | x | | x |
| Carbonate as CO3 | SM 2330B | x | x | x |
| Carbonyls | EPA 556 | x | | x |
| COD | EPA 410.4 / SM 5220D | | x | |
| Chloramines | SM 4500-CL G | x | x | x |
| Chlorinated Acids | EPA 515.4 | x | | x |
| Chlorinated Acids | EPA 555 | x | | x |
| Chlorine Dioxide | SM 4500-CLO2 D | x | | x |
| Chlorine -Total/Free/ Combined Residual | SM 4500-Cl G | x | x | x |
| Conductivity | EPA 120.1 | | x | |
| Conductivity | SM 2510B | x | x | x |
| Corrosivity (Langelier Index) | SM 2330B | x | | x |
| Cryptosporidium | EPA 1623 | x | | x |
| Cyanide, Amenable | SM 4500-CN G | x | x | |
| Cyanide, Free | SM 4500CN F | x | x | x |
| Cyanide, Total | EPA 335.4 | x | x | x |
| Cyanogen Chloride (screen) | In House Method (2470) | x | | x |
| Diquat and Paraquat | EPA 549.2 | x | | x |
| DBP/HAA | SM 6251B | x | | x |
| Dissolved Oxygen | SM 4500-O G | | x | x |
| DOC | SM 5310C | x | | x |
| E. Coli | (MTF/EC+MUG) | x | | x |
| E. Coli | CFR 141.21(f)(6)(i) | x | | x |
| E. Coli | SM 9223 | | x | |
| E. Coli (Enumeration) | SM 9221B.1/ SM 9221F | x | | x |
| E. Coli (Enumeration) | SM 9223B | x | | x |
| EDB/DCBP | EPA 504.1 | x | | |
| EDB/DBCP and DBP | EPA 551.1 | x | | x |
| EDTA and NTA | In House Method (2454) | x | | x |
| Endothall | EPA 548.1 | x | | x |
| Endothall | In-house Method (2445) | x | | x |
| Enterococci | SM 9230B | x | x | |
| Fecal Coliform | SM 9221 E (MTF/EC) | x | | |
| Fecal Coliform | SM 9221C, E (MTF/EC) | | x | |
| Fecal Coliform (Enumeration) | SM 9221E (MTF/EC) | x | | x |
| Fecal Coliform with Chlorine Present | SM 9221E | | x | |
| Fecal Streptococci | SM 9230B | x | x | |
| Fluoride | SM 4500-F C | x | x | x |
| Giardia | EPA 1623 | x | | x |
| Glyphosate | EPA 547 | x | | x |
| Gross Alpha/Beta | EPA 900.0 | x | x | x |
| Gross Alpha Coprecipitation | SM 7110 C | x | x | x |
| Hardness | SM 2340B | x | x | x |
| Heterotrophic Bacteria | In House Method (2439) | x | | x |
| Heterotrophic Bacteria | SM 9215 B | x | | x |
| Hexavalent Chromium | EPA 218.6 | x | x | x |

| SPECIFIC TESTS | METHOD OR TECHNIQUE USED | Environ-mental (Drinking Water) | Environ-mental (Waste Water) | Water as a Component of Food and Bev/Bev/ Bottled Water |
|---|---|---|---|---|
| Hexavalent Chromium | EPA 218.7 | x | | x |
| Hexavalent Chromium | SM 3500-Cr B | | x | |
| Hormones | EPA 539 | x | | x |
| Hydroxide as OH Calc. | SM 2330B | x | | x |
| Kjeldahl Nitrogen | EPA 351.2 | | x | |
| Legionella | CDC Legionella | x | | x |
| Mercury | EPA 245.1 | x | x | x |
| Metals | EPA 200.7 / 200.8 | x | x | x |
| Microcystin LR | ELISA (2360) | x | | x |
| NDMA | EPA 521 | x | | x |
| NDMA | TQ In house method based on EPA 521 (2425) | x | | x |
| Nitrate/Nitrite Nitrogen | EPA 353.2 | x | x | x |
| OCL, Pesticides/PCB | EPA 505 | x | | x |
| Ortho Phosphate | EPA 365.1 | x | x | x |
| Ortho Phosphate | SM 4500P E | | | x |
| Ortho Phosphorous | SM 4500P E | x | | |
| Oxyhalides Disinfection Byproducts | EPA 317.0 | x | | x |
| Perchlorate | EPA 331.0 | x | | x |
| Perchlorate (low and high) | EPA 314.0 | x | | x |
| Perfluorinated Alkyl Acids | EPA 537 | x | | x |
| pH | EPA 150.1 | x | | |
| pH | SM 4500-H+B | x | x | x |
| Phenylurea Pesticides/ Herbicides | In House Method, based on EPA 532 (2448) | x | | x |
| Pseudomonas | IDEXX Pseudalert (2461) | x | | x |
| Radium-226 | GA Institute of Tech | x | | x |
| Radium-228 | GA Institute of Tech | x | | x |
| Radon-222 | SM 7500RN | x | | x |
| Residue, Filterable | SM 2540C | x | x | x |
| Residue, Non-filterable | SM 2540D | | x | |
| Residue, Total | SM 2540B | | x | x |
| Residue, Volatile | EPA 160.4 | | x | |
| Semi-VOC | EPA 525.2 | x | | x |
| Semi-VOC | EPA 625 | | x | x |
| Silica | SM 4500-Si D | x | x | |
| Silica | SM 4500-SiO2 C | x | x | |
| Sulfide | SM 4500-$S^{=}$ D | | x | |
| Sulfite | SM 4500-$SO^{3}$B | x | x | x |
| Surfactants | SM 5540C | x | x | x |
| Taste and Odor Analytes | SM 6040E | x | | x |
| Total Coliform (P/A) | SM 9221 A, B | x | | x |
| Total Coliform (Enumeration) | SM 9221 A, B, C | x | | x |
| Total Coliform / E. coli | Colisure SM 9223 | x | | x |
| Total Coliform | SM 9221B | | x | |
| Total Coliform with Chlorine Present | SM 9221B | | x | |
| Total Coliform / E.coli (P/A and Enumeration) | SM 9223 | x | | x |
| TOC | SM 5310C | x | x | x |
| TOX | SM 5320B | | x | |
| Total Phenols | EPA 420.1 | | x | |
| Total Phenols | EPA 420.4 | x | x | x |
| Total Phosphorous | SM 4500 P E | | x | |
| Turbidity | EPA 180.1 | x | x | x |
| Turbidity | SM 2130B | x | x | |
| Uranium by ICP/MS | EPA 200.8 | x | | x |
| UV 254 | SM 5910B | x | | |
| VOC | EPA 524.2/EPA 524.3 | x | | x |
| VOC | EPA 624 | | x | x |
| VOC | EPA SW 846 8260 | x | | x |
| VOC | In House Method (2411) | x | | x |
| Yeast and Mold | SM 9610 | x | | x |

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# Acknowledgement of Samples Received


Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012


Client ID: FGL
Folder #: 686845
Project: DRINKING (SP 1711220)
Sample Group: ORGANICS - EPA 500's

Project Manager: Alicia Del Carlo
Phone: 559-797-1931
Sampler: Matt P./Ryan S.

The following samples were received from you on **September 15, 2017** at **0922**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, Inc..

| Sample # | Sample ID | Sample Date |
|---|---|---|
| 201709150743 | TRAVEL BLANK - Hold | 09/14/2017 0920 |
| | @525_FGL_SHORT TBC | |
| 201709150744 | MCWP-07D | 09/14/2017 0855 |
| | @525_FGL_SHORT | |
| 201709150745 | MCWP-MW09 | 09/14/2017 1150 |
| | @525_FGL_SHORT | |

## Test Description

@525_FGL_SHORT -- Semivolatiles by GCMS

@525_FGL_SHORT TBC -- Semivolatiles by GCMS

# Subcontract to
# Eurofins Eaton Analytical, Inc.

68684

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl | | | | | | | | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Travel Blank | 09/14/17 | 09:20 | G | LBW | | | | 1 | | | | | | | | |
| 6 | MCWP-07D | 09/14/17 | 08:55 | G | MW | | | | 1 | | | | | | | | |
| 7 | MCWP-MW09 | 09/14/17 | 11:50 | G | MW | | | | 1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/14/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | 09/14/17 | | [signature] | 9/15/17 | 9:22 | | | |

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# INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 686845

SAMPLES REC'D DAY OF COLLECTION? ☐

SAMPLE TEMP RECEIVED:

IR Gun ID = 569A (Observation= 5.8 °C) (Corr.Factor -0.2 °C) (Final = 5.6 °C)

TYPE OF ICE: Real ✓ Synthetic ____ No Ice ____ CONDITION OF ICE: Frozen ✓ Partially Frozen ____ Thawed ____ N/A ____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GSO

Compliance Acceptance Criteria:

1) Chemistry: >0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

- If out of temperature range (for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

| | |
|---|---|
| 1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) | 2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) |
| 3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) | 4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) |

4) UCMR3 : (non-GLEC) 524.3: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

522: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

≤10°C if received within 48 hours of sample collection (not the same business day); ≤ 6°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia /Cryptosporidium: <20 °C, not frozen (received after 8 hours of sample collection )

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Crypto: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

E.Coli: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

| | SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
|---|---|---|---|---|---|
| RECEIVED BY: | | | Eurofins Eaton Analytical | 9/15/17 | 9:22 |

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Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

**Laboratory Comments**

**Report:** 686845
**Project:** DRINKING (SP 1711220)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

---

**Flags Legend:**

E6 - Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.

**The Comments Report may be blank if there are no comments for this report.**

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**Laboratory Hits**

**Report:** 686845
**Project:** DRINKING (SP 1711220)
**Group:** ORGANICS - EPA 500's

**FGL Environmental, Inc.**
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/15/2017 0922

| Analyzed | Analyte | Sample ID | Result | Federal MCL | Units | MRL |
|---|---|---|---|---|---|---|
| | **201709150743** | **TRAVEL BLANK - Hold** | | | | |
| 09/26/2017 22:50 | Di(2-Ethylhexyl)phthalate | | 1.5 | 6 | ug/L | 0.6 |
| | **201709150745** | **MCWP-MW09** | | | | |
| 09/26/2017 23:37 | Di(2-Ethylhexyl)phthalate | | 0.75 | 6 | ug/L | 0.6 |

**SUMMARY OF POSITIVE DATA ONLY**

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**Laboratory Data**

**Report:** 686845
**Project:** DRINKING (SP 1711220)
**Group:** ORGANICS - EPA 500's

**FGL Environmental, Inc.**
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/15/2017 0922

| Prepared | Analyzed | Prep Batch | Analyze Batch | Method | Analyte | Result | Units | MDL | MRL | Dilution |
|---|---|---|---|---|---|---|---|---|---|---|
| **TRAVEL BLANK - Hold (201709150743)** | | | | | | | **Sampled on 09/14/2017 0920** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/25/17 | 09/26/17 22:50 | 1030072 | 1030886 | (EPA 525.2) | Benzo(a)pyrene | ND (E6) | ug/L | 0.011 | 0.02 | 1 |
| 09/25/17 | 09/26/17 22:50 | 1030072 | 1030886 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND (E6) | ug/L | 0.063 | 0.6 | 1 |
| 09/25/17 | 09/26/17 22:50 | 1030072 | 1030886 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | 1.5 (E6) | ug/L | 0.15 | 0.6 | 1 |
| 09/25/17 | 09/26/17 22:50 | 1030072 | 1030886 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 94 | % | | | 1 |
| 09/25/17 | 09/26/17 22:50 | 1030072 | 1030886 | (EPA 525.2) | Acenaphthene-d10 | 21 | % | | | 1 |
| 09/25/17 | 09/26/17 22:50 | 1030072 | 1030886 | (EPA 525.2) | Chrysene-d12 | 33 | % | | | 1 |
| 09/25/17 | 09/26/17 22:50 | 1030072 | 1030886 | (EPA 525.2) | Perylene-d12 | 83 | % | | | 1 |
| 09/25/17 | 09/26/17 22:50 | 1030072 | 1030886 | (EPA 525.2) | Phenanthrene-d10 | 25 | % | | | 1 |
| **MCWP-07D (201709150744)** | | | | | | | **Sampled on 09/14/2017 0855** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/25/17 | 09/26/17 23:14 | 1030072 | 1030886 | (EPA 525.2) | Benzo(a)pyrene | ND | ug/L | 0.011 | 0.02 | 1 |
| 09/25/17 | 09/26/17 23:14 | 1030072 | 1030886 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND | ug/L | 0.063 | 0.6 | 1 |
| 09/25/17 | 09/26/17 23:14 | 1030072 | 1030886 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | ND | ug/L | 0.15 | 0.6 | 1 |
| 09/25/17 | 09/26/17 23:14 | 1030072 | 1030886 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 102 | % | | | 1 |
| 09/25/17 | 09/26/17 23:14 | 1030072 | 1030886 | (EPA 525.2) | Acenaphthene-d10 | 120 | % | | | 1 |
| 09/25/17 | 09/26/17 23:14 | 1030072 | 1030886 | (EPA 525.2) | Chrysene-d12 | 124 | % | | | 1 |
| 09/25/17 | 09/26/17 23:14 | 1030072 | 1030886 | (EPA 525.2) | Perylene-d12 | 102 | % | | | 1 |
| 09/25/17 | 09/26/17 23:14 | 1030072 | 1030886 | (EPA 525.2) | Phenanthrene-d10 | 120 | % | | | 1 |
| **MCWP-MW09 (201709150745)** | | | | | | | **Sampled on 09/14/2017 1150** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/25/17 | 09/26/17 23:37 | 1030072 | 1030886 | (EPA 525.2) | Benzo(a)pyrene | ND | ug/L | 0.011 | 0.02 | 1 |
| 09/25/17 | 09/26/17 23:37 | 1030072 | 1030886 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND | ug/L | 0.063 | 0.6 | 1 |
| 09/25/17 | 09/26/17 23:37 | 1030072 | 1030886 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | 0.75 | ug/L | 0.15 | 0.6 | 1 |
| 09/25/17 | 09/26/17 23:37 | 1030072 | 1030886 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 103 | % | | | 1 |
| 09/25/17 | 09/26/17 23:37 | 1030072 | 1030886 | (EPA 525.2) | Acenaphthene-d10 | 107 | % | | | 1 |
| 09/25/17 | 09/26/17 23:37 | 1030072 | 1030886 | (EPA 525.2) | Chrysene-d12 | 108 | % | | | 1 |
| 09/25/17 | 09/26/17 23:37 | 1030072 | 1030886 | (EPA 525.2) | Perylene-d12 | 96 | % | | | 1 |
| 09/25/17 | 09/26/17 23:37 | 1030072 | 1030886 | (EPA 525.2) | Phenanthrene-d10 | 111 | % | | | 1 |

Rounding on totals after summation.
(c) - Indicates calculated results.
ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.

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**Laboratory QC Summary**

**Report:** 686845
**Project:** DRINKING (SP 1711220)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

**Semivolatiles by GCMS**

**Prep Batch: 1030072** **Analytical Batch: 1030886** **Analysis Date: 09/26/2017**

| | | |
|---|---|---|
| 201709150743 | TRAVEL BLANK - Hold | Analyzed by: KAM |
| 201709150744 | MCWP-07D | Analyzed by: KAM |
| 201709150745 | MCWP-MW09 | Analyzed by: KAM |

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**Report:** 686845
**Project:** DRINKING (SP 1711220)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

| QC Type | Analyte | Native | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|---|---|---|---|---|---|---|---|---|---|
| **Semivolatiles by GCMS by EPA 525.2** | | | | | | | | | |
| **Prep Batch: 1030072 Analytical Batch: 1030886** | | | | | | | **Analysis Date: 09/26/2017** | | |
| LCS1 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| LCS2 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 110 | % | 110 | (70-130) | | |
| MBLK | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| MRL_CHK | 1,3-Dimethyl-2-nitrobenzene (S) | | | 106 | % | 106 | (70-130) | | |
| MS_201709250053 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 109 | % | 109 | (70-130) | | |
| MSD_201709250053 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| LCS1 | Acenaphthene-d10 (I) | | | 88.3 | % | 88 | (50-150) | | |
| LCS2 | Acenaphthene-d10 (I) | | | 92.6 | % | 93 | (50-150) | | |
| MBLK | Acenaphthene-d10 (I) | | | 85.7 | % | 86 | (50-150) | | |
| MRL_CHK | Acenaphthene-d10 (I) | | | 86.4 | % | 86 | (50-150) | | |
| MS_201709250053 | Acenaphthene-d10 (I) | | | 95.5 | % | 96 | (50-150) | | |
| MSD_201709250053 | Acenaphthene-d10 (I) | | | 97.0 | % | 97 | (50-150) | | |
| LCS1 | Benzo(a)pyrene | | 2 | 2.05 | ug/L | 102 | (70-130) | | |
| LCS2 | Benzo(a)pyrene | | 2 | 2.04 | ug/L | 102 | (70-130) | 20 | 0.49 |
| MBLK | Benzo(a)pyrene | | | <0.01 | ug/L | | | | |
| MRL_CHK | Benzo(a)pyrene | | 0.02 | 0.0210 | ug/L | 105 | (50-150) | | |
| MS_201709250053 | Benzo(a)pyrene | ND | 2 | 2.12 | ug/L | 106 | (70-130) | | |
| MSD_201709250053 | Benzo(a)pyrene | ND | 2 | 2.07 | ug/L | 104 | (70-130) | 20 | 2.4 |
| LCS1 | Chrysene-d12 (I) | | | 87.3 | % | 87 | (50-150) | | |
| LCS2 | Chrysene-d12 (I) | | | 70.4 | % | 70 | (50-150) | | |
| MBLK | Chrysene-d12 (I) | | | 76.5 | % | 77 | (50-150) | | |
| MRL_CHK | Chrysene-d12 (I) | | | 76.8 | % | 77 | (50-150) | | |
| MS_201709250053 | Chrysene-d12 (I) | | | 81.0 | % | 81 | (50-150) | | |
| MSD_201709250053 | Chrysene-d12 (I) | | | 98.4 | % | 98 | (50-150) | | |
| LCS1 | Di-(2-Ethylhexyl)adipate | | 2 | 2.09 | ug/L | 104 | (70-130) | | |
| LCS2 | Di-(2-Ethylhexyl)adipate | | 2 | 1.79 | ug/L | 90 | (70-130) | 20 | 16 |
| MBLK | Di-(2-Ethylhexyl)adipate | | | <0.15 | ug/L | | | | |
| MRL_CHK | Di-(2-Ethylhexyl)adipate | | 0.3 | 0.276 | ug/L | 92 | (50-150) | | |
| MS_201709250053 | Di-(2-Ethylhexyl)adipate | ND | 2 | 1.90 | ug/L | 95 | (70-130) | | |
| MSD_201709250053 | Di-(2-Ethylhexyl)adipate | ND | 2 | 2.10 | ug/L | 105 | (70-130) | 20 | 9.5 |
| LCS1 | Di(2-Ethylhexyl)phthalate | | 2 | 2.27 | ug/L | 114 | (70-130) | | |
| LCS2 | Di(2-Ethylhexyl)phthalate | | 2 | 2.08 | ug/L | 104 | (70-130) | 20 | 8.7 |
| MBLK | Di(2-Ethylhexyl)phthalate | | | <0.15 | ug/L | | | | |
| MRL_CHK | Di(2-Ethylhexyl)phthalate | | 0.6 | 0.653 | ug/L | 109 | (50-150) | | |
| MS_201709250053 | Di(2-Ethylhexyl)phthalate | ND | 2 | 2.10 | ug/L | 105 | (70-130) | | |

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)



**Report:** 686845
**Project:** DRINKING (SP 1711220)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

| QC Type | Analyte | Native | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|---|---|---|---|---|---|---|---|---|---|
| MSD_201709250053 | Di(2-Ethylhexyl)phthalate | ND | 2 | 2.13 | ug/L | 106 | (70-130) | 20 | 1.4 |
| LCS1 | Perylene-d12 (S) | | | 93.2 | % | 93 | (70-130) | | |
| LCS2 | Perylene-d12 (S) | | | 90.4 | % | 90 | (70-130) | | |
| MBLK | Perylene-d12 (S) | | | 79.4 | % | 79 | (70-130) | | |
| MRL_CHK | Perylene-d12 (S) | | | 87.3 | % | 87 | (70-130) | | |
| MS_201709250053 | Perylene-d12 (S) | | | 95.2 | % | 95 | (70-130) | | |
| MSD_201709250053 | Perylene-d12 (S) | | | 95.2 | % | 95 | (70-130) | | |
| LCS1 | Phenanthrene-d10 (I) | | | 86.6 | % | 87 | (50-150) | | |
| LCS2 | Phenanthrene-d10 (I) | | | 81.9 | % | 82 | (50-150) | | |
| MBLK | Phenanthrene-d10 (I) | | | 83.5 | % | 84 | (50-150) | | |
| MRL_CHK | Phenanthrene-d10 (I) | | | 83.5 | % | 84 | (50-150) | | |
| MS_201709250053 | Phenanthrene-d10 (I) | | | 88.1 | % | 88 | (50-150) | | |
| MSD_201709250053 | Phenanthrene-d10 (I) | | | 96.6 | % | 97 | (50-150) | | |

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

October 24, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analyses for FGL Lab No. SP 1711222**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-EstradiolPharma Positive:Caffiene, DEET, SucralosePharma Negative: Triclosan
- Sub Contracted-EPA 1625M NDMA

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-24

Enclosure

WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

**Work Orders:** 7I15014

**Project:** SP 1711222- (2-25173)

**Attn:** Cindy Aguirre

**Client:** FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

**Report Date:** 10/24/2017

**Received Date:** 9/15/2017

**Turnaround Time:** Normal

**Phones:** (805) 392-2012

**Fax:** (805) 525-4172

**P.O. #:**

**Billing Code:**

Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/15/17 with the Chain-of-Custody document. The samples were received in good condition, at 2.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

## Sample Results

Sample: MCWP-07D — Sampled: 09/14/17 8:55 by Ryan S/ Matt P

7I15014-01 (Water)

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Method:** EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr | | | | | | | |
| N-Nitrosodimethylamine | ND | 0.50 | 2.0 | ng/l | 1 | 09/20/17 13:09 | |
| **Method:** EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan | | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | 1 | 10/04/17 01:29 | |
| **Method:** EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan | | | | | | | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | 1 | 09/29/17 03:13 | |
| **Method:** EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan | | | | | | | |
| **Caffeine** | **1.6** | 0.31 | 1.0 | ng/l | 1 | 10/21/17 09:15 | |
| **DEET** | **0.93** | 0.060 | 1.0 | ng/l | 1 | 10/14/17 16:54 | J |
| **Sucralose** | **26** | 5.0 | 5.0 | ng/l | 1 | 10/21/17 09:15 | |



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## Quality Control Results

### Nitrosamines by isotopic dilution GC/MS CI Mode

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I0922-BLK1)** | | | | | **Prepared: 09/18/17** | **Analyzed: 09/19/17** | | | | | |
| N-Nitrosodimethylamine | ND | 0.50 | 2.0 | ng/l | | | | | | | |
| **LCS (W7I0922-BS1)** | | | | | **Prepared: 09/18/17** | **Analyzed: 09/19/17** | | | | | |
| N-Nitrosodimethylamine | 2.86 | 0.50 | 2.0 | ng/l | 3.00 | | 95 | 50-150 | | | |
| **LCS Dup (W7I0922-BSD1)** | | | | | **Prepared: 09/18/17** | **Analyzed: 09/19/17** | | | | | |
| N-Nitrosodimethylamine | 3.25 | 0.50 | 2.0 | ng/l | 3.00 | | 108 | 50-150 | 13 | 50 | |

### PPCPs - Pharmaceuticals by LC/MSMS-ESI+

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1387-BLK1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 0.980 | 0.060 | 1.0 | ng/l | | | | | | | J |
| **Blank (W7I1387-BLK2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 0.325 | 0.31 | 1.0 | ng/l | | | | | | | QC-2, J |
| Sucralose | ND | 5.0 | 5.0 | ng/l | | | | | | | QC-2 |
| **LCS (W7I1387-BS1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 11.9 | 0.060 | 1.0 | ng/l | 10.0 | | 119 | 45-135 | | | |
| **LCS (W7I1387-BS2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 10.7 | 0.31 | 1.0 | ng/l | 10.0 | | 107 | 55-152 | | | QC-2 |
| Sucralose | 62.1 | 5.0 | 5.0 | ng/l | 50.0 | | 124 | 50-150 | | | QC-2 |
| **LCS Dup (W7I1387-BSD1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 13.5 | 0.060 | 1.0 | ng/l | 10.0 | | 135 | 45-135 | 13 | 30 | |
| **LCS Dup (W7I1387-BSD2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 12.6 | 0.31 | 1.0 | ng/l | 10.0 | | 126 | 55-152 | 16 | 30 | QC-2 |
| Sucralose | 74.9 | 5.0 | 5.0 | ng/l | 50.0 | | 150 | 50-150 | 19 | 30 | QC-2 |



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## Quality Control Results

(Continued)

### PPCPs - Pharmaceuticals by LC/MSMS-ESI-

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1389-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 3.11 | 0.27 | 1.0 | ng/l | | | | | | | B |
| Diclofenac | ND | 0.26 | 1.0 | ng/l | | | | | | | |
| Gemfibrozil | ND | 0.080 | 1.0 | ng/l | | | | | | | |
| Ibuprofen | ND | 0.39 | 1.0 | ng/l | | | | | | | |
| Iopromide | ND | 1.8 | 5.0 | ng/l | | | | | | | |
| Naproxen | ND | 0.25 | 1.0 | ng/l | | | | | | | |
| Salicylic Acid | 21.1 | 0.86 | 50 | ng/l | | | | | | | J |
| Triclosan | ND | 1.2 | 2.0 | ng/l | | | | | | | |
| **LCS (W7I1389-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 15.8 | 0.27 | 1.0 | ng/l | 10.0 | | 158 | 53-168 | | | |
| Diclofenac | 24.6 | 0.26 | 1.0 | ng/l | 10.0 | | 246 | 37-218 | | | Q-08 |
| Gemfibrozil | 12.1 | 0.080 | 1.0 | ng/l | 10.0 | | 121 | 76-122 | | | |
| Ibuprofen | 19.8 | 0.39 | 1.0 | ng/l | 10.0 | | 198 | 67-139 | | | Q-08 |
| Iopromide | 63.3 | 1.8 | 5.0 | ng/l | 50.0 | | 127 | 0.1-163 | | | |
| Naproxen | 16.7 | 0.25 | 1.0 | ng/l | 10.0 | | 167 | 64-138 | | | Q-08 |
| Salicylic Acid | 124 | 0.86 | 50 | ng/l | 100 | | 124 | 56-229 | | | |
| Triclosan | 12.1 | 1.2 | 2.0 | ng/l | 10.0 | | 121 | 76-139 | | | |
| **LCS Dup (W7I1389-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 16.2 | 0.27 | 1.0 | ng/l | 10.0 | | 162 | 53-168 | 3 | 30 | |
| Diclofenac | 22.3 | 0.26 | 1.0 | ng/l | 10.0 | | 223 | 37-218 | 10 | 30 | Q-08 |
| Gemfibrozil | 11.9 | 0.080 | 1.0 | ng/l | 10.0 | | 119 | 76-122 | 2 | 30 | |
| Ibuprofen | 18.0 | 0.39 | 1.0 | ng/l | 10.0 | | 180 | 67-139 | 10 | 30 | Q-08 |
| Iopromide | 57.4 | 1.8 | 5.0 | ng/l | 50.0 | | 115 | 0.1-163 | 10 | 30 | |
| Naproxen | 16.8 | 0.25 | 1.0 | ng/l | 10.0 | | 168 | 64-138 | 0.6 | 30 | Q-08 |
| Salicylic Acid | 125 | 0.86 | 50 | ng/l | 100 | | 125 | 56-229 | 0.8 | 30 | |
| Triclosan | 11.9 | 1.2 | 2.0 | ng/l | 10.0 | | 119 | 76-139 | 2 | 30 | |

### PPCPs - Hormones by LC/MSMS-APCI

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (W7I1388-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | | | | | | | |
| **LCS (W7I1388-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | 11.9 | 0.31 | 1.0 | ng/l | 10.0 | | 119 | 65-146 | | | |
| **LCS Dup (W7I1388-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | 11.8 | 0.31 | 1.0 | ng/l | 10.0 | | 118 | 65-146 | 0.8 | 30 | |



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## Notes and Definitions

| Item | Definition |
|---|---|
| B | Blank contamination. The analyte was found in the associated blank as well as in the sample. |
| J | Estimated conc. detected <MRL and >MDL. |
| Q-08 | High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit. |
| QC-2 | This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date. |
| ND | NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL. |
| Dil | Dilution |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| % Rec | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |
| MDL | Method Detection Limit |
| MRL | The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR) |
| MDA | Minimum Detectable Activity |
| NR | Not Reportable |
| TIC | Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown. |

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

**Reviewed by:**

Regina Giancola
Project Manager

**DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015 ● SCAQMD #93LA1006**

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*



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WECK LABORATORIES, INC.

# Sample Receipt

| | | | |
|---|---|---|---|
| **WORK ORDER:** | 7I15014 | **Printed:** | 9/18/2017 4:57:17PM |
| **Client:** | FGL Environmental | **Project Manager:** | Regina Giancola |
| **Project:** | FGL Environmental | **Project Number:** | SP 1711222- (2-25173) |

**Report To:**
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

**Invoice To:**
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

| | | | |
|---|---|---|---|
| **Date Due:** | 09/29/17 09:00 (10 day TAT) | | |
| **Received By:** | Lester K. Abad | **Date Received:** | 09/15/17 08:10 |
| **Logged In By:** | Lester K. Abad | **Date Logged In:** | 09/15/17 09:59 |

| | | | | | |
|---|---|---|---|---|---|
| Samples Received at: | **2.4°C** | | | | |
| All containers intact: | **Yes** | Sample labels & COC agree | **Yes** | Sufficient holding time for all tests | **Yes** |
| Custody Seals | **No** | Samples preserved properly | **Yes** | Received on Ice | **Yes** |
| Chain of custody completed | **Yes** | Sample volume sufficient | **Yes** | Appropriate sample containers | **Yes** |

## Samples

| Analysis | Expires | Analysis Comments |
|---|---|---|
| **7I15014-01 Sample Name: MCWP-07D [Water] Sampled 9/14/2017 08:55** | | |
| NDMA | 09/21/17 08:55 | SEE COC |
| PPCP Hormones | 10/12/17 08:55 | SEE COC |
| PPCP Pharma-Negative | 10/12/17 08:55 | SEE COC |
| PPCP Pharma-Positive | 10/12/17 08:55 | SEE COC |

Regina Giancola — 9/18/2017

Authorized Signature — Date

**Note:**
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.



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# Subcontract to
# Weck Laboratories, Inc.

7I15014

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711222 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT) | Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | MCWP-07D | 09/14/17 | 08:55 | G | MW | | | | 2 | 2 | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/14/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | [signature] | 9-15-17 | 8:10 | | | |

2.4°

September 21, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

SP 1711294:5 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

System Number :
Project Name : Malibu WWTP - Baseline GWM

## Sample Handling Information

| ID | Sample Number | Sample Description | Sample Type/Reason | Sampled By | Employed By | Sampled | Started | Finished |
|---|---|---|---|---|---|---|---|---|
| 1 | SP 1711294-005 | MCWP-04D | Source-Other | Matt P./Ryan S. | Not Available | 09/15/2017 11:40 | 09/15/2017 16:30 lmm | 09/17/2017 lmm |

## Analytical Results

| ID | Sample Description | Chlorine Total/Free | Temp °C | Method | Units | Total | Fecal | E. Coli | Person Notified ‡ | Date ‡ Notified | Time ‡ Notified | Foot Note |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MCWP-04D | --- | --- | SM 9221B | MPN/100ml | <1.8 ABSENT | <1.8 ABSENT | --- | N/R | | | |

N/R Not Required. MPN Most Probable Number A/P Absence/Presence ‡ Client Notification details.

Analyses were performed using Standard Methods 21st edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-09-21



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1711294
Customer : 2-25173

## Laboratory Report

**Introduction:** This report package contains total of 61 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (6 pages) | : An overview of the work performed at FGL. |
| Sample Results | (16 pages) | : Results for each sample submitted. |
| Quality Control | (39 pages) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab ID # | Matrix |
|---|---|---|---|---|
| Travel Blank | 09/15/2017 | 09/15/2017 | SP 1711294-000 | LBW |
| MCWP-04D | 09/15/2017 | 09/15/2017 | SP 1711294-005 | MW |

**Sampling and Receipt Information:** All samples were received, prepared and analyzed within the method specified holding except those as listed in the table below.

| Lab ID | Analyte/Method | Required Holding Time | Actual Holding Time |
|---|---|---|---|
| SP 1711294-005 | Chlorine, Total | 15 | 5893.2 Minutes |

All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to the following tables:

## Inorganic - Metals QC

| | |
|---|---|
| 200.7 | 10/05/2017:215039 All analysis quality controls are within established criteria. |
| | 10/06/2017:215064 All analysis quality controls are within established criteria. |
| | 10/05/2017:211996 All preparation quality controls are within established criteria. |
| 200.8 | 09/19/2017:214164 All analysis quality controls are within established criteria, except:<br>The following note applies to Arsenic, Beryllium:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Inorganic - Metals QC

| | |
|---|---|
| 200.8 | 09/20/2017:214239 All analysis quality controls are within established criteria. |
| 245.1 | 09/29/2017:214696 All analysis quality controls are within established criteria. |
| | 09/29/2017:211748 All preparation quality controls are within established criteria. |
| 3010 | 09/18/2017:211156 All preparation quality controls are within established criteria, except:<br>The following note applies to Aluminum:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

## Organic QC

| | |
|---|---|
| 504 | 09/20/2017:211319 All preparation quality controls are within established criteria, except:<br>The following note applies to 1,3-Dibromopropane:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 504.1 | 09/22/2017:214159 All analysis quality controls are within established criteria. |
| 505 | 09/21/2017:214160 All analysis quality controls are within established criteria, except:<br>The following note applies to Tetrachloro-m-xylene:<br>362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| | 09/20/2017:211318 All preparation quality controls are within established criteria. |
| 507 | 09/29/2017:214644 All analysis quality controls are within established criteria. |
| | 09/26/2017:211540 All preparation quality controls are within established criteria. |
| 515.3 | 09/25/2017:214317 All analysis quality controls are within established criteria. |
| | 09/21/2017:211389 All preparation quality controls are within established criteria, except:<br>The following note applies to 2,4,5-TP (Silvex):<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 524.2 | 09/28/2017:215230 All analysis quality controls are within established criteria, except:<br>The following note applies to Chloroethane (Ethyl Chloride):<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/28/2017:212151 All preparation quality controls are within established criteria. |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Organic QC

| | |
|---|---|
| 531.1 | 09/25/2017:214426 All analysis quality controls are within established criteria. |
| | 09/25/2017:211520 All preparation quality controls are within established criteria, except:<br>The following note applies to Aldicarb Sulfone/Sulfoxide:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 5310C | 09/20/2017:214222 All analysis quality controls are within established criteria. |
| | 09/20/2017:211306 All preparation quality controls are within established criteria. |
| 548.1 | 09/22/2017:214244 All analysis quality controls are within established criteria. |
| | 09/19/2017:211274 All preparation quality controls are within established criteria. |
| 549 | 09/19/2017:211268 All preparation quality controls are within established criteria, except:<br>The following note applies to Diquat Dibromide:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 549.2 | 09/26/2017:214477 All analysis quality controls are within established criteria. |
| 552 | 09/22/2017:211426 All preparation quality controls are within established criteria. |
| 552.2 | 09/23/2017:214323 All analysis quality controls are within established criteria, except:<br>The following note applies to 2,3-Dibromopropionic Acid:<br>362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| 608/8081 | 09/22/2017:214242 All analysis quality controls are within established criteria. |
| | 09/18/2017:211160 All preparation quality controls are within established criteria, except:<br>The following note applies to Tetrachloro-m-xylene:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 624 | 09/19/2017:214843 All analysis quality controls are within established criteria, except:<br>The following note applies to Acrylonitrile:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/19/2017:211857 All preparation quality controls are within established criteria, except: |

## Organic QC

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|---|---|
| 624 | The following note applies to 2-Chloroethylvinyl ether, Acrylonitrile, Freon-11, Chloroethane (Ethyl Chloride):<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Freon-11, Fluorobenzene:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 625 | 09/27/2017:214621 All analysis quality controls are within established criteria, except:<br>The following note applies to 4-Nitrophenol, Dibenzo(a,h)anthracene, 3,3-Dichlorobenzidine, Indeno(1,2,3-c,d)pyrene, Pyridine:<br>360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| | 09/21/2017:211355 All preparation quality controls are within established criteria. |
| 625P | 09/23/2017:214486 All analysis quality controls are within established criteria. |
| | 09/20/2017:211298 All preparation quality controls are within established criteria, except:<br>The following note applies to Beta BHC, Tetrachloro-m-xylene:<br>436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Alpha BHC, alpha-Chlordane, Aldrin, Beta BHC, cis_Nonachlor, Delta BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfa:<br>410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |

## Radio QC

| | |
|---|---|
| 900.0 | 10/06/2017:215190 All analysis quality controls are within established criteria. |
| | 10/04/2017:211932 All preparation quality controls are within established criteria, except:<br>The following note applies to Gross Beta:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 903.0 | 10/02/2017:215049 All analysis quality controls are within established criteria. |
| | 09/26/2017:211575 All preparation quality controls are within established criteria. |
| 906.0 | 09/24/2017:214417 All analysis quality controls are within established criteria. |
| | 09/23/2017:211448 All preparation quality controls are within established criteria. |
| 908.0 | 10/17/2017:215693 All analysis quality controls are within established criteria. |

## Radio QC

| | |
|---|---|
| 908.0 | 10/12/2017:212329 All preparation quality controls are within established criteria. |
| Ra - 05 | 10/10/2017:215471 All analysis quality controls are within established criteria. |
| | 09/30/2017:211715 All preparation quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 1664A | 09/25/2017:211483 All preparation quality controls are within established criteria. |
| 2120B | 09/16/2017:213960 All analysis quality controls are within established criteria. |
| | 09/16/2017:211145 All preparation quality controls are within established criteria. |
| 2130B | 09/16/2017:213948 All analysis quality controls are within established criteria. |
| | 09/16/2017:211139 All preparation quality controls are within established criteria. |
| 2150B | 09/16/2017:211117 All preparation quality controls are within established criteria. |
| 218.6 | 09/18/2017:214067 All analysis quality controls are within established criteria. |
| | 09/18/2017:211232 All preparation quality controls are within established criteria. |
| 2320B | 09/19/2017:214076 All analysis quality controls are within established criteria. |
| | 09/19/2017:211229 All preparation quality controls are within established criteria. |
| 2510B | 09/16/2017:213955 All analysis quality controls are within established criteria. |
| | 09/16/2017:211143 All preparation quality controls are within established criteria. |
| 2540CE | 09/19/2017:211250 All preparation quality controls are within established criteria. |
| 2540D | 09/21/2017:211390 All preparation quality controls are within established criteria. |
| 300.0 | 09/15/2017:214206 All analysis quality controls are within established criteria. |
| | 09/16/2017:214206 All analysis quality controls are within established criteria. |
| | 09/15/2017:211341 All preparation quality controls are within established criteria. |
| 314.0 | 09/23/2017:214659 All analysis quality controls are within established criteria. |

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 314.0 | 09/22/2017:211692 All preparation quality controls are within established criteria. |
| 351.2 | 09/29/2017:211714 All preparation quality controls are within established criteria, except:<br>The following note applies to Nitrogen, Total Kjeldahl:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.<br>The following note applies to Nitrogen, Total Kjeldahl:<br>435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 4500ClG | 09/19/2017:214094 All analysis quality controls are within established criteria. |
| | 09/19/2017:211267 All preparation quality controls are within established criteria. |
| 4500CNCE | 09/26/2017:214478 All analysis quality controls are within established criteria. |
| | 09/25/2017:211482 All preparation quality controls are within established criteria. |
| 4500NH3G | 09/19/2017:214057 All analysis quality controls are within established criteria. |
| | 09/19/2017:211225 All preparation quality controls are within established criteria. |
| 4500-P B | 09/25/2017:211523 All preparation quality controls are within established criteria. |
| 4500PE | 09/25/2017:214428 All analysis quality controls are within established criteria. |
| 5210B | 09/21/2017:214259 All analysis quality controls are within established criteria. |
| | 09/15/2017:211111 All preparation quality controls are within established criteria. |
| 5540C | 09/16/2017:214000 All analysis quality controls are within established criteria. |
| | 09/16/2017:211191 All preparation quality controls are within established criteria. |
| EPA351.2 | 09/29/2017:214726 All analysis quality controls are within established criteria. |

**Certification::** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2017-10-17

October 17, 2017

Lab ID : SP 1711294-000
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 15, 2017-14:30
Sampled By : Matt P./Ryan S.
Received On : September 15, 2017-15:55
Matrix : Lab. Blank Water

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 111 | 70-130 | | % | 1.0107 | | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-04:50SBL |
| DBCP | ND | 0.01 | 0.0057 | ug/L | 1.0107 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-04:50SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 1.0107 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-04:50SBL |

**DQF Flags Definition:**
U Constituent results were non-detect.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-04D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711294-005
Customer ID : 2-25173

Sampled On : September 15, 2017-11:40
Sampled By : Matt P./Ryan S.
Received On : September 15, 2017-15:55
Matrix : Monitoring Well

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Total Hardness as CaCO3 | 856 | 2.5 | 0.0065 | mg/L | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Calcium | 175 | 1 | 0.0065 | mg/L | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Magnesium | 102 | 1 | 0.0037 | mg/L | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Potassium | 3.15 | 1 | 0.065 | mg/L | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Sodium | 204 | 1 | 0.27 | mg/L | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Total Cations | 26.1 | 0.1 | 0.0065 | meq/L | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Boron | 0.866 | 0.05 | 0.0050 | mg/L | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Copper | ND | 10 | 1.2 | ug/L | 1 | U | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Iron | 42.7 | 50 | 5.0 | ug/L | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Manganese | 9.86 | 10 | 0.099 | ug/L | 1 | J | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Zinc | 2.25 | 20 | 1.0 | ug/L | 1 | J | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215064-IT203 | 10/06/17-08:25AC |
| SAR | 3.03 | 0.1 | 0.0065 | -- | 1 | | 200.7 | 211996 | 10/05/17 12:30 | 200.7 | 215039-IT203 | 10/05/17-13:46AC |
| Total Alkalinity (as CaCO3) | 282 | 10 | 1.1 | mg/L | 1 | | 2320B | 211229 | 09/19/17 03:00 | 2320B | 214076-MT201 | 09/19/17-08:51AMB |
| Hydroxide as OH | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211229 | 09/19/17 03:00 | 2320B | 214076-MT201 | 09/19/17-08:51AMB |
| Carbonate as CO3 | ND | 10 | 1.1 | mg/L | 1.000 | U | 2320B | 211229 | 09/19/17 03:00 | 2320B | 214076-MT201 | 09/19/17-08:51AMB |
| Bicarbonate as HCO3 | 344 | 10 | 1.1 | mg/L | 1.000 | | 2320B | 211229 | 09/19/17 03:00 | 2320B | 214076-MT201 | 09/19/17-08:51AMB |
| Sulfate | 554 | 5 | 0.015 | mg/L | 5 | b | 300.0 | 211341 | 09/15/17 16:50 | 300.0 | 214206-IC210 | 09/16/17-02:32MCA |
| Chloride | 250 | 5 | 0.0045 | mg/L | 5 | | 300.0 | 211341 | 09/15/17 16:50 | 300.0 | 214206-IC210 | 09/16/17-02:32MCA |
| Nitrate as NO3 | 8.05 | 0.4 | 0.0032 | mg/L | 1 | | 300.0 | 211341 | 09/15/17 16:50 | 300.0 | 214206-IC210 | 09/15/17-22:37MCA |
| Nitrite as N | ND | 0.1 | 0.0010 | mg/L | 1 | U | 300.0 | 211341 | 09/15/17 16:50 | 300.0 | 214206-IC210 | 09/15/17-22:37MCA |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **General Mineral** | | | | | | | | | | | | |
| Nitrate + Nitrite as N | 1.80 | 0.1 | 0.0032 | mg/L | 1 | | 300.0 | 211341 | 09/15/17 16:50 | 300.0 | 214206-IC210 | 09/15/17-22:37MCA |
| Fluoride | 0.563 | 0.1 | 0.0021 | mg/L | 1 | | 300.0 | 211341 | 09/15/17 16:50 | 300.0 | 214206-IC210 | 09/15/17-22:37MCA |
| Total Anions | 24.4 | 0.1 | 0.010 | meq/L | 1.000 | b | 2320B | 211229 | 09/19/17 03:00 | 2320B | 214076-MT201 | 09/19/17-08:51AMB |
| pH | 7.28 | -- | 0.010 | units | 1 | | 4500-H B | 211258 | 09/15/17 11:40 | 4500HB | 214086-CL000 | 09/15/17-11:40MP/RS |
| Specific Conductance | 2240 | 1 | 0.16 | umhos/cm | 1 | b | 2510B | 211143 | 09/16/17 09:57 | 2510B | 213955-EC205 | 09/16/17-12:33JMG |
| Total Dissolved Solids | 1600 | 40 | 5.8 | mg/L | 1 | | 2540CE | 211250 | 09/19/17 11:08 | 2540C | 214139-WT219 | 09/20/17-10:55JMG |
| MBAS (foaming agents) | 0.0267 | 0.1 | 0.017 | mg/L | 1 | J | 5540C | 211191 | 09/16/17 17:30 | 5540C | 214000-UV208 | 09/16/17-19:00AMM |
| Aggressiveness Index | 12.4 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/15/17 11:40 | 4500HB | 214086-CL000 | 09/15/17-11:40MP/RS |
| Langelier Index (20°C) | 0.4 | 1 | 0.010 | -- | 1 | | 4500-H B | 211258 | 09/15/17 11:40 | 4500HB | 214086-CL000 | 09/15/17-11:40MP/RS |
| Nitrate Nitrogen | 1.80 | 0.1 | 0.00080 | mg/L | 1 | | 300.0 | 211341 | 09/15/17 16:50 | 300.0 | 214206-IC210 | 09/15/17-22:37MCA |
| **Metals, Total** | | | | | | | | | | | | |
| Aluminum | 0.0151 | 0.01 | 0.000050 | mg/L | 1 | l | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Antimony | 0.000404 | 0.001 | 0.000044 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Arsenic | 0.00141 | 0.002 | 0.000047 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Barium | 0.0423 | 0.0002 | 0.000026 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Beryllium | ND | 0.0002 | 0.000043 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Cadmium | 0.000176 | 0.0002 | 0.000031 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Chromium | 0.000553 | 0.001 | 0.000066 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Copper | 0.00207 | 0.001 | 0.000071 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Lead | 0.000219 | 0.0002 | 0.000013 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Mercury | 0.00000329 | 0.00001 | .0000021 | mg/L | 1 | J | 245.1 | 211748 | 09/29/17 07:00 | 245.1 | 214696-HG204 | 09/29/17-13:42AC |
| Nickel | 0.00444 | 0.001 | 0.000040 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-18:50AC |
| Selenium | 0.00254 | 0.002 | 0.00017 | mg/L | 1 | | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214239-IX202 | 09/20/17-18:50AC |
| Silver | 0.0000430 | 0.00025 | 0.000022 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Thallium | ND | 0.0002 | 0.000018 | mg/L | 1 | U | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| Chromium III | 0.000267 | 0.001 | 0.000066 | mg/L | 1 | J | 3010 | 211156 | 09/18/17 03:00 | 200.8 | 214164-IX202 | 09/19/17-17:12AC |
| **Wet Chemistry** | | | | | | | | | | | | |
| BOD | 1.4 | 2 | 0.19 | mg/L | 1 | J | 5210B | 211111 | 09/15/17 16:33 | 5210B | 214259-O2205 | 09/21/17-13:05kmm |
| Chlorine, Total | ND | 0.1 | 0.017 | mg/L | 1 | UT | 4500ClG | 211267 | 09/19/17 13:53 | 4500ClG | 214094-UV205 | 09/19/17-13:59AMM |
| Chromium VI | 0.286 | 0.1 | 0.012 | ug/L | 1 | | 218.6 | 211232 | 09/18/17 14:30 | 218.6 | 214067-IC209 | 09/18/17-19:52JDD |

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **Wet Chemistry** | | | | | | | | | | | | |
| Color | <5.00 | 5 | 0.0 | units | 1 | U | 2120B | 211145 | 09/16/17 07:50 | 2120B | 213960-JMG | 09/16/17-08:00jmg |
| Cyanide, Total | ND | 0.01 | 0.0010 | mg/L | 1 | U | 4500CNCE | 211482 | 09/25/17 10:50 | 4500CNCE | 214478-UV205 | 09/26/17-15:36AMM |
| Nitrogen, Organic | ND | 0.5 | 0.072 | mg/L | 1 | Ul | 4500NH3G | 211225 | 09/19/17 03:00 | 4500NH3G | 214057-FI207 | 09/19/17-07:01AMB |
| Ammonia Nitrogen | ND | 0.2 | 0.072 | mg/L | 1 | U | 4500NH3G | 211225 | 09/19/17 03:00 | 4500NH3G | 214057-FI207 | 09/19/17-07:01AMB |
| Kjeldahl Nitrogen | ND | 0.5 | 0.19 | mg/L | 1 | Ul | 351.2 | 211714 | 09/29/17 06:32 | EPA351.2 | 214726-FI206 | 09/29/17-11:02AMB |
| Nitrogen, Total as Nitrogen | 1.80 | 0.5 | 0.19 | mg/L | 1 | l | 351.2 | 211714 | 09/29/17 06:32 | EPA351.2 | 214726-FI206 | 09/29/17-11:02AMB |
| Nitrate + Nitrite as N | 1.80 | 0.1 | 0.0032 | mg/L | 1 | | 300.0 | 211341 | 09/15/17 16:50 | 300.0 | 214206-IC210 | 09/15/17-22:37MCA |
| Kjeldahl Nitrogen | ND | 0.5 | 0.19 | mg/L | 1 | Ul | 351.2 | 211714 | 09/29/17 06:32 | EPA351.2 | 214726-FI206 | 09/29/17-11:02AMB |
| Odor | ND | 1 | 0.0 | TON | 1 | U | 2150B | 211117 | 09/16/17 05:00 | 2150B | 213949-AMB | 09/16/17-05:34AMB |
| Oil and Grease | ND | 3.3 | 1.5 | mg/L | 1.087 | U | 1664A | 211483 | 09/25/17 10:40 | 1664A | 214468-WT215 | 09/26/17-13:03AMM |
| Phosphorus, Total | 0.123 | 0.1 | 0.020 | mg/L | 1 | | 4500-P B | 211523 | 09/25/17 15:30 | 4500PE | 214428-UV205 | 09/25/17-17:16SJN |
| Solids, Total Suspended (TSS) | 0.851 | 1.1 | 0.49 | mg/L | 1.0638 | J | 2540D | 211390 | 09/21/17 17:00 | 2540D | 214231-WT215 | 09/22/17-10:40jba |
| Turbidity | 0.181 | 0.2 | 0.048 | NTU | 1 | | 2130B | 211139 | 09/16/17 05:00 | 2130B | 213948-TR203 | 09/16/17-05:29AMB |
| Perchlorate | ND | 2 | 0.29 | ug/L | 1 | U | 314.0 | 211692 | 09/22/17 14:15 | 314.0 | 214659-IC207 | 09/23/17-02:25MCA |

**DQF Flags Definition:**

| | |
|---|---|
| b | The Blank was detected above method MDL for constituent but less than the PQL |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| T | Exceeded method-specific holding time. |

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-04D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711294-005
Customer ID : 2-25173

Sampled On : September 15, 2017-11:40
Sampled By : Matt P./Ryan S.
Received On : September 15, 2017-15:55
Matrix : Monitoring Well

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 504.1** | | | | | | | | | | | | |
| 1,3-Dibromopropane‡ | 105 | 70-130 | | % | 1.0062 | | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-05:15SBL |
| DBCP | ND | 0.01 | 0.0057 | ug/L | 1.0062 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-05:15SBL |
| EDB | ND | 0.02 | 0.0027 | ug/L | 1.0062 | U | 504 | 211319 | 09/20/17 15:02 | 504.1 | 214159-GC216 | 09/22/17-05:15SBL |
| **EPA 505** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 97.7 | 70-130 | | % | 1 | | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Alachlor | ND | 0.2 | 0.13 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Aldrin | ND | 0.01 | 0.0040 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Chlordane | ND | 0.1 | 0.041 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Dieldrin | ND | 0.01 | 0.0024 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Endrin | ND | 0.01 | 0.0054 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Heptachlor | ND | 0.01 | 0.0026 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Heptachlor Epoxide | ND | 0.01 | 0.0046 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Hexachlorobenzene | ND | 0.01 | 0.0031 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Hexachlorocyclopentadiene | ND | 0.1 | 0.027 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Lindane (Gamma BHC) | ND | 0.05 | 0.0049 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Methoxychlor | ND | 0.1 | 0.0098 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| Toxaphene | ND | 0.5 | 0.11 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| PCB 1016 | ND | 0.5 | 0.13 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| PCB 1221 | ND | 0.5 | 0.067 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| PCB 1232 | ND | 0.5 | 0.073 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 505** | | | | | | | | | | | | |
| PCB 1242 | ND | 0.5 | 0.14 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| PCB 1248 | ND | 0.5 | 0.15 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| PCB 1254 | ND | 0.5 | 0.026 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| PCB 1260 | ND | 0.5 | 0.12 | ug/L | 1 | U | 505 | 211318 | 09/20/17 12:20 | 505 | 214160-GC215 | 09/21/17-00:40SBL |
| **EPA 507** | | | | | | | | | | | | |
| Triphenylphosphate‡ | 73.7 | 70-130 | | % | 0.93458 | | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Alachlor | ND | 0.93 | 0.16 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Atrazine | ND | 0.93 | 0.14 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Bromacil | ND | 1.9 | 0.12 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Butachlor | ND | 0.93 | 0.21 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Diazinon | ND | 1.9 | 0.18 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Dimethoate | ND | 1.9 | 0.089 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Metolachlor | ND | 0.93 | 0.41 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Metribuzin | ND | 0.47 | 0.24 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Molinate | ND | 1.9 | 0.13 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Prometryne | ND | 1.9 | 0.095 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Propachlor | ND | 0.93 | 0.12 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Simazine | ND | 0.93 | 0.16 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Thiobencarb | ND | 0.93 | 0.15 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| Cyanazine | ND | 0.93 | 0.11 | ug/L | 0.93458 | U | 507 | 211540 | 09/26/17 13:30 | 507 | 214644-GC218 | 09/29/17-03:14SG |
| **EPA 515** | | | | | | | | | | | | |
| 2,4-DCAA‡ | 98.6 | 70-130 | | % | 1 | | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| Bentazon | ND | 2 | 0.45 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| 2,4-D | ND | 2 | 0.90 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| Dalapon | ND | 10 | 3.5 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| Dicamba | ND | 1 | 0.29 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| Dinoseb | ND | 1 | 0.49 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| Pentachlorophenol | ND | 0.2 | 0.10 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| Picloram | ND | 1 | 0.18 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| 2,4,5-TP (Silvex) | ND | 1 | 0.32 | ug/L | 1 | Ul | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 515** | | | | | | | | | | | | |
| 2,4,5-T | ND | 1 | 0.42 | ug/L | 1 | U | 515.3 | 211389 | 09/21/17 11:36 | 515.3 | 214317-GC215 | 09/25/17-21:52SG |
| **EPA 524.2** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 90.6 | 70-130 | | % | 1 | | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,2-Dichlorobenzene-d4‡ | 93.8 | 70-130 | | % | 1 | | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Benzene | ND | 0.5 | 0.081 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Bromobenzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Bromochloromethane | ND | 0.5 | 0.16 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Bromodichloromethane | ND | 0.5 | 0.099 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Bromoform | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Bromomethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| n-Butylbenzene | ND | 0.5 | 0.061 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| sec-Butylbenzene | ND | 0.5 | 0.043 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| tert-Butylbenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.069 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Chlorobenzene | ND | 0.5 | 0.050 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Chloroethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Chloroform | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Chloromethane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 2-Chlorotoluene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 4-Chlorotoluene | ND | 0.5 | 0.078 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Dibromochloromethane | ND | 0.5 | 0.095 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Dibromomethane | ND | 0.5 | 0.10 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.047 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.044 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.021 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Dichlorodifluoromethane | ND | 0.5 | 0.14 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.063 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| cis-1,2-Dichloroethylene | ND | 0.5 | 0.064 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.5 | 0.075 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.052 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,3-Dichloropropane | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Dichloromethane | ND | 0.5 | 0.062 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 2,2-Dichloropropane | ND | 0.5 | 0.13 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,1-Dichloropropene | ND | 0.5 | 0.084 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,3-Dichloropropene (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.039 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| trans-1,3-Dichloropropene | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Di-isopropyl ether (DIPE) | ND | 2 | 0.15 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Ethyl Benzene | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Ethyl tert-Butyl Ether (ETBE) | ND | 3 | 0.076 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Hexachlorobutadiene | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Isopropylbenzene | ND | 0.5 | 0.051 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| p-Isopropyltoluene | ND | 0.5 | 0.042 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.091 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Naphthalene | ND | 0.5 | 0.070 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| n-Propylbenzene | ND | 0.5 | 0.076 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Styrene | ND | 0.5 | 0.040 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Tert-amyl-methyl Ether (TAME) | ND | 3 | 0.067 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 0.072 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.11 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Tetrachloroethylene | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Toluene | ND | 0.5 | 0.055 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 0.094 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 0.068 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.041 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.12 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Trichloroethylene | ND | 0.5 | 0.060 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Trichlorofluoromethane | ND | 0.5 | 0.40 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 524.2** | | | | | | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane | ND | 0.5 | 0.077 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 0.054 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 0.048 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Vinyl Chloride | ND | 0.5 | 0.098 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Xylenes (Total) | ND | --- | --- | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Xylenes m,p | ND | 0.5 | 0.087 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Xylenes o | ND | 0.5 | 0.080 | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| Total Trihalomethanes | ND | --- | --- | ug/L | 1 | U | 524.2 | 212151 | 09/28/17 08:00 | 524.2 | 215230-GM215 | 09/28/17-11:30VRG |
| **EPA 531.1** | | | | | | | | | | | | |
| Aldicarb | ND | 3 | 0.15 | ug/L | 1 | U | 531.1 | 211520 | 09/25/17 15:16 | 531.1 | 214426-LC204 | 09/25/17-21:41SG |
| Aldicarb Sulfone | ND | 2 | 0.31 | ug/L | 1 | U | 531.1 | 211520 | 09/25/17 15:16 | 531.1 | 214426-LC204 | 09/25/17-21:41SG |
| Aldicarb Sulfoxide | ND | 3 | 0.68 | ug/L | 1 | U | 531.1 | 211520 | 09/25/17 15:16 | 531.1 | 214426-LC204 | 09/25/17-21:41SG |
| Carbaryl | ND | 5 | 0.36 | ug/L | 1 | U | 531.1 | 211520 | 09/25/17 15:16 | 531.1 | 214426-LC204 | 09/25/17-21:41SG |
| Carbofuran | ND | 5 | 1.1 | ug/L | 1 | U | 531.1 | 211520 | 09/25/17 15:16 | 531.1 | 214426-LC204 | 09/25/17-21:41SG |
| 3-Hydroxycarbofuran | ND | 10 | 1.8 | ug/L | 1 | U | 531.1 | 211520 | 09/25/17 15:16 | 531.1 | 214426-LC204 | 09/25/17-21:41SG |
| Methomyl | ND | 5 | 0.56 | ug/L | 1 | U | 531.1 | 211520 | 09/25/17 15:16 | 531.1 | 214426-LC204 | 09/25/17-21:41SG |
| Oxamyl | ND | 5 | 1.4 | ug/L | 1 | U | 531.1 | 211520 | 09/25/17 15:16 | 531.1 | 214426-LC204 | 09/25/17-21:41SG |
| **EPA 548.1** | | | | | | | | | | | | |
| Endothall | ND | 40 | 16 | ug/L | 1 | U | 548.1 | 211274 | 09/19/17 15:28 | 548.1 | 214244-GC220 | 09/22/17-03:03SG |
| **EPA 549** | | | | | | | | | | | | |
| Diquat | ND | 2 | 0.12 | ug/L | 1 | U | 549 | 211268 | 09/19/17 14:11 | 549.2 | 214477-LC204 | 09/26/17-14:45SG |
| **EPA 552.2** | | | | | | | | | | | | |
| 2,3-Dibromopropionic Acid‡ | 104 | 70-130 | | % | 1 | | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-06:23SBL |
| Bromoacetic Acid | ND | 1 | 0.55 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-06:23SBL |
| Chloroacetic Acid | ND | 2 | 0.28 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-06:23SBL |
| Dibromoacetic Acid | 0.536 | 1 | 0.25 | ug/L | 1 | J | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-06:23SBL |
| Dichloroacetic Acid | ND | 1 | 0.57 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-06:23SBL |
| Trichloroacetic Acid | ND | 1 | 0.39 | ug/L | 1 | U | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-06:23SBL |
| Haloacetic acids (five) | ND | --- | --- | ug/L | 1 | UJ | 552 | 211426 | 09/22/17 11:30 | 552.2 | 214323-GC219 | 09/23/17-06:23SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 608** | | | | | | | | | | | | |
| Tetrachloro-m-xylene‡ | 30.2 | 15-143 | | % | 0.93458 | | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| Chlordane | ND | 1.9 | 0.025 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| PCB 1016 | ND | 0.47 | 0.13 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| PCB 1221 | ND | 0.47 | 0.19 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| PCB 1232 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| PCB 1242 | ND | 0.47 | 0.20 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| PCB 1248 | ND | 0.47 | 0.056 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| PCB 1254 | ND | 0.47 | 0.086 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| PCB 1260 | ND | 0.47 | 0.11 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| Toxaphene | ND | 1.9 | 0.044 | ug/L | 0.93458 | U | 608/8081 | 211160 | 09/18/17 13:30 | 608/8081 | 214242-GC215 | 09/22/17-06:51SBL |
| **EPA 624** | | | | | | | | | | | | |
| 4-Bromofluorobenzene‡ | 104 | 70-161 | | % | 1 | f | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Fluorobenzene‡ | 99.0 | 72-139 | | % | 1 | f | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Pentafluorobenzene‡ | 109 | 59-151 | | % | 1 | f | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Acetone | ND | 50 | 7.2 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Acrolein | ND | 5 | 2.5 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Acrylonitrile | ND | 2 | 0.85 | ug/L | 1 | Ufh | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Benzene | ND | 0.5 | 0.13 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Bromodichloromethane | ND | 0.5 | 0.089 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Bromoform | ND | 1 | 0.033 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Bromomethane | ND | 0.5 | 0.25 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Chloromethane | ND | 0.5 | 0.36 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 2-Butanone (MEK) | ND | 10 | 0.83 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Carbon Disulfide | ND | 5 | 0.26 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Carbon Tetrachloride | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Chlorobenzene | ND | 0.5 | 0.036 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Chloroethane | ND | 0.5 | 0.37 | ug/L | 1 | Ufl | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 2-Chloroethylvinyl ether | ND | 10 | 0.14 | ug/L | 1 | Ufh | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Chloroform | ND | 0.5 | 0.045 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Dibromochloromethane | ND | 0.5 | 0.078 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 624** | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.5 | 0.026 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,3-Dichlorobenzene | ND | 0.5 | 0.11 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,4-Dichlorobenzene | ND | 0.5 | 0.063 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,1-Dichloroethane | ND | 0.5 | 0.16 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,2-Dichloroethane | ND | 0.5 | 0.044 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,1-Dichloroethylene | ND | 0.5 | 0.49 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| trans-1,2-Dichloroethylene | ND | 1 | 0.12 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,2-Dichloropropane | ND | 0.5 | 0.094 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| cis-1,3-Dichloropropene | ND | 0.5 | 0.10 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| trans-1,3-Dichloropropene | ND | 1 | 0.035 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Ethyl Benzene | ND | 0.5 | 0.046 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 2-Hexanone | ND | 5 | 0.46 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 4-Methyl-2-pentanone (MIBK) | ND | 5 | 0.29 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Methylene Chloride | ND | 0.5 | 0.24 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Methyl tert-Butyl Ether (MTBE) | ND | 1 | 0.081 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Styrene | ND | 0.5 | 0.059 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 0.076 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Tetrachloroethylene | ND | 0.5 | 0.056 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Toluene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,1,1-Trichloroethane | ND | 0.5 | 0.053 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| 1,1,2-Trichloroethane | ND | 0.5 | 0.033 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Trichloroethylene | ND | 0.5 | 0.050 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Trichlorofluoromethane | ND | 1.5 | 0.15 | ug/L | 1 | Ufl | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Vinyl Acetate | ND | 100 | 0.15 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Vinyl Chloride | ND | 0.5 | 0.17 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Xylenes m,p | ND | 0.5 | 0.084 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Xylenes o | ND | 0.5 | 0.062 | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |
| Xylenes | ND | --- | --- | ug/L | 1 | Uf | 624 | 211857 | 09/19/17 08:00 | 624 | 214843-GM214 | 09/19/17-17:38VRG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 2-Fluorobiphenyl‡ | 51.9 | 29-98 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2-Fluorophenol‡ | 65.6 | 23-105 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Nitrobenzene-d5‡ | 54.1 | 23-104 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Phenol-d6‡ | 64.8 | 26-102 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| p-Terphenyl-d14‡ | 50.8 | 29-93 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2,4,6-Tribromophenol‡ | 55.5 | 34-116 | | % | 0.93023 | | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Acenaphthene | ND | 0.93 | 0.50 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Acenaphthylene | ND | 0.93 | 0.39 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Anthracene | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Benzidine | ND | 9.3 | 1.8 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Benzo(a)anthracene | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Benzo(a)pyrene | ND | 0.93 | 0.40 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Benzo(b)fluoranthene | ND | 0.93 | 0.37 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Benzo(g,h,i)perylene | ND | 0.93 | 0.40 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Benzo(k)fluoranthene | ND | 0.93 | 0.50 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| bis(2-Chloroethoxy)methane | ND | 0.93 | 0.56 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| bis(2-Chloroethyl)ether | ND | 0.93 | 0.52 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| bis(2-Chloroisopropyl)ether | ND | 0.93 | 0.53 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| bis(2-Ethylhexyl)phthalate | ND | 1.9 | 0.41 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 4-Bromophenylphenylether | ND | 0.93 | 0.46 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Butylbenzylphthalate | ND | 1.9 | 0.29 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 4-Chloro-3-methylphenol | ND | 1.9 | 0.86 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2-Chloronaphthalene | ND | 0.93 | 0.63 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2-Chlorophenol | ND | 1.9 | 1.0 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 4-Chlorophenylphenylether | ND | 0.93 | 0.62 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Chrysene | ND | 0.93 | 0.51 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Dibenzo(a,h)anthracene | ND | 0.93 | 0.37 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 1,2-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 1,3-Dichlorobenzene | ND | 0.93 | 0.45 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 1,4-Dichlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| 3,3'-Dichlorobenzidine | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2,4-Dichlorophenol | ND | 1.9 | 0.79 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Diethylphthalate | ND | 0.93 | 0.34 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2,4-Dimethylphenol | ND | 1.9 | 0.76 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Dimethylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Di-n-butylphthalate | ND | 1.9 | 0.35 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 4,6-Dinitro-2-methylphenol | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2,4-Dinitrophenol | ND | 4.7 | 0.22 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2,4-Dinitrotoluene | ND | 0.93 | 0.49 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2,6-Dinitrotoluene | ND | 0.93 | 0.55 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Di-n-octylphthalate | ND | 0.93 | 0.31 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 1,2-Diphenylhydrazine | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Fluoranthene | ND | 0.93 | 0.44 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Fluorene | ND | 0.93 | 0.62 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Hexachlorobenzene | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Hexachlorobutadiene | ND | 0.93 | 0.45 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Hexachlorocyclopentadiene | ND | 0.93 | 0.24 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Hexachloroethane | ND | 0.93 | 0.43 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Indeno(1,2,3-c,d)pyrene | ND | 0.93 | 0.38 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Isophorone | ND | 0.93 | 0.41 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Naphthalene | ND | 0.93 | 0.55 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Nitrobenzene | ND | 0.93 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 4-Nitrophenol | ND | 1.9 | 1.1 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| N-Nitrosodimethylamine | ND | 1.9 | 0.47 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| N-Nitrosodi-n-propylamine | ND | 0.93 | 0.53 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| N-Nitrosodiphenylamine | ND | 0.93 | 0.74 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Pentachlorophenol | ND | 1.9 | 0.91 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Phenanthrene | ND | 0.93 | 0.018 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Phenol | ND | 0.93 | 0.88 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation | | | Sample Analysis | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Method | ID | Time | Method | ID | Time |
| **EPA 625** | | | | | | | | | | | | |
| Pyrene | ND | 0.93 | 0.46 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| Pyridine | ND | 9.3 | 0.32 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 1,2,4-Trichlorobenzene | ND | 0.93 | 0.48 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2,4,6-Trichlorophenol | ND | 0.93 | 0.90 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| 2,4,5-Trichlorophenol | ND | 1.9 | 1.2 | ug/L | 0.93023 | U | 625 | 211355 | 09/21/17 13:30 | 625 | 214621-GM213 | 09/27/17-20:20SBL |
| **EPA 625 Pest** | | | | | | | | | | | | |
| Aldrin | ND | 4.7 | 0.91 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Alpha BHC | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Beta BHC | ND | 4.7 | 1.5 | ng/L | 0.93458 | UL | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Delta BHC | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Lindane (Gamma BHC) | ND | 4.7 | 3.7 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| alpha-Chlordane | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| gamma-Chlordane | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| o,p - DDD | ND | 4.7 | 0.54 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| o,p - DDE | ND | 4.7 | 0.35 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| o,p - DDT | ND | 4.7 | 0.95 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| p,p'-DDD | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| p,p'-DDE | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| p,p'-DDT | ND | 4.7 | 4.1 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Dieldrin | ND | 4.7 | 1.5 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Endosulfan I | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Endosulfan II | ND | 4.7 | 2.1 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Endosulfan Sulfate | ND | 4.7 | 1.2 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Endrin | ND | 4.7 | 1.3 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Endrin Aldehyde | ND | 4.7 | 1.9 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Endrin Ketone | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Heptachlor | ND | 4.7 | 1.8 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Heptachlor Epoxide | ND | 4.7 | 0.77 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Methoxychlor | ND | 4.7 | 0.46 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| cis_Nonachlor | ND | 47 | 1.6 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |

## Sample Result - Organic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EPA 625 Pest** | | | | | | | | | | | | |
| trans-Nonachlor | ND | 47 | 1.2 | ng/L | 0.93458 | U | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| Tetrachloro-m-xylene‡ | 71.6 | 26-90 | | % | 0.93458 | | 625P | 211298 | 09/20/17 13:30 | 625P | 214486-GM210 | 09/23/17-00:31SG |
| **TOC** | | | | | | | | | | | | |
| TOC | 0.672 | 0.5 | 0.15 | mg/L | 1 | | 5310C | 211306 | 09/20/17 10:39 | 5310C | 214222-TC203 | 09/20/17-21:32AMM |

**DQF Flags Definition:**

| | |
|---|---|
| L | The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria. |
| h | The MS/MSD did not meet QC criteria. |
| l | The MS/MSD did not meet QC criteria. |
| U | Constituent results were non-detect. |
| J | Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL. |
| f | MS/MSD QC requirement met by BS/BSD due to limited sample volume. |

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 17, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-04D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711294-005
Customer ID : 2-25173

Sampled On : September 15, 2017-11:40
Sampled By : Matt P./Ryan S.
Received On : September 15, 2017-15:55
Matrix : Monitoring Well

## Sample Result - Radio

| Constituent | Result ± Error | MDA | Units | MCL/AL | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Radio Chemistry** | | | | | | | | | | | |
| Gross Alpha | 13.8 ± 2.70 | 1.89 | pCi/L | 15 | | 900.0 | 211932 | 10/04/17 12:20 | 900.0 | 215190-GP219 | 10/06/17-11:30aat |
| Gross Beta | 2.60 ± 1.54 | 1.79 | pCi/L | 50 | h | 900.0 | 211932 | 10/04/17 12:20 | 900.0 | 215190-GP219 | 10/06/17-11:30aat |
| Total Alpha Radium (226) | 0.000 ± 0.083 | 0.363 | pCi/L | 3 | | 903.0 | 211575 | 09/26/17 17:00 | 903.0 | 215049-GP215 | 10/02/17-16:30aat |
| Tritium | 0.000 ± 275 | 434 | pCi/L | 20000 | | 906.0 | 211448 | 09/23/17 05:40 | 906.0 | 214417-LS202 | 09/24/17-02:03elc |
| Uranium | 3.65 ± 1.33 | 0.470 | pCi/L | 20 | | 908.0 | 212329 | 10/12/17 16:31 | 908.0 | 215693-GP216 | 10/17/17-15:17AAT |
| Ra 228 | 0.104 ± 0.584 | 0.506 | pCi/L | 2 | | Ra - 05 | 211715 | 09/30/17 16:00 | Ra - 05 | 215471-GP218 | 10/10/17-18:50emv |

**DQF Flags Definition:**
h The MS/MSD did not meet QC criteria.

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dibromoethane(EDB) | 504 | 09/20/17:211319SBL | Blank | ug/L | | ND | <0.02 | |
| | | | LCS | ug/L | 0.2623 | 106 % | 70-130 | |
| | | | LCS | ug/L | 0.2472 | 102 % | 70-130 | |
| | | | MS | ug/L | 0.2527 | 107 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.2593 | 110 % | 70-130 | |
| | | | MSRPD | ug/L | 0.6086 | 5.5% | ≤30 | |
| | | | QMDL | ug/L | 0.02001 | 110 % | 60-140 | |
| 1,3-Dibromopropane | 504 | 09/20/17:211319SBL | Blank | ug/L | 0.5987 | 101 % | 70-130 | |
| | | | LCS | ug/L | 0.6157 | 129 % | 70-130 | |
| | | | LCS | ug/L | 0.5803 | 112 % | 70-130 | |
| | | | MS | ug/L | 0.5930 | 122 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.6086 | 133 % | 70-130 | 435 |
| | | | MSRPD | ug/L | 0.6086 | 11.8% | ≤30 | |
| | | | QMDL | ug/L | 0.5913 | 113 % | 70-130 | |
| DBCP | 504 | 09/20/17:211319SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.2623 | 120 % | 70-130 | |
| | | | LCS | ug/L | 0.2472 | 110 % | 70-130 | |
| | | | MS | ug/L | 0.2527 | 73.1 % | 70-130 | |
| | | (STK1751783-001) | MSD | ug/L | 0.2593 | 128 % | 70-130 | |
| | | | MSRPD | ug/L | 0.6086 | 17.5% | ≤30 | |
| | | | QMDL | ug/L | 0.02001 | 121 % | 60-140 | |
| 13DBP | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 9.975 | 126 % | 70-130 | |
| | | | CCV | ug/L | 7.481 | 101 % | 70-130 | |
| DBCP | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 5.000 | 117 % | 70-130 | |
| | | | CCV | ug/L | 2.000 | 86.0 % | 70-130 | |
| EDB | 504.1 | 09/22/17:214159SBL | CCV | ug/L | 5.000 | 101 % | 70-130 | |
| | | | CCV | ug/L | 2.000 | 81.0 % | 70-130 | |
| Alachlor | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 5.865 | 123 % | 84-135 | |
| | | | BS | ug/L | 5.834 | 108 % | 73-137 | |
| | | | BSD | ug/L | 5.910 | 110 % | 73-137 | |
| | | | BSRPD | ug/L | 1.183 | 2.9% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 150.0 | 104 % | 70-130 | |
| | | | CCV | ug/L | 100.0 | 108 % | 70-130 | |
| Aldrin | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.075 | |
| | | | LCS | ug/L | 0.5865 | 98.7 % | 69-134 | |
| | | | BS | ug/L | 0.5834 | 99.0 % | 21-166 | |
| | | | BSD | ug/L | 0.5910 | 97.5 % | 21-166 | |
| | | | BSRPD | ug/L | 1.183 | 0.2% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 100 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 95.1 % | 70-130 | |
| Chlordane | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.1 | |
| Dieldrin | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 95.6 % | 82-131 | |
| | | | BS | ug/L | 0.5834 | 92.0 % | 66-141 | |
| | | | BSD | ug/L | 0.5910 | 91.2 % | 66-141 | |
| | | | BSRPD | ug/L | 1.183 | 0.4% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 93.3 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 95.1 % | 70-130 | |
| Endrin | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 92.5 % | 83-120 | |
| | | | BS | ug/L | 0.5834 | 84.5 % | 58-134 | |
| | | | BSD | ug/L | 0.5910 | 84.1 % | 58-134 | |
| | | | BSRPD | ug/L | 1.183 | 0.8% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 87.9 % | 70-130 | |



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Endrin | 505 | 09/21/17:214160SBL | CCV | ug/L | 10.00 | 87.3 % | 70-130 | |
| Heptachlor | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 98.3 % | 71-131 | |
| | | | BS | ug/L | 0.5834 | 97.9 % | 73-135 | |
| | | | BSD | ug/L | 0.5910 | 96.6 % | 73-135 | |
| | | | BSRPD | ug/L | 1.183 | 0.0% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 101 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 93.6 % | 70-130 | |
| Heptachlor Epoxide | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 93.6 % | 75-129 | |
| | | | BS | ug/L | 0.5834 | 89.7 % | 65-134 | |
| | | | BSD | ug/L | 0.5910 | 89.5 % | 65-134 | |
| | | | BSRPD | ug/L | 1.183 | 1.0% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 91.5 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 93.3 % | 70-130 | |
| Hexachlorobenzene | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.5865 | 97.3 % | 69-134 | |
| | | | BS | ug/L | 0.5834 | 91.2 % | 71-136 | |
| | | | BSD | ug/L | 0.5910 | 92.4 % | 71-136 | |
| | | | BSRPD | ug/L | 1.183 | 2.5% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 99.2 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 91.8 % | 70-130 | |
| Hexachlorocyclopentadiene | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 0.5865 | 98.7 % | 48-144 | |
| | | | BS | ug/L | 0.5834 | 91.9 % | 60-152 | |
| | | | BSD | ug/L | 0.5910 | 95.9 % | 60-152 | |
| | | | BSRPD | ug/L | 1.183 | 5.7% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 105 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 93.1 % | 70-130 | |
| Lindane | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.05 | |
| | | | LCS | ug/L | 0.5865 | 126 % | 76-131 | |
| | | | BS | ug/L | 0.5834 | 120 % | 72-132 | |
| | | | BSD | ug/L | 0.5910 | 118 % | 72-132 | |
| | | | BSRPD | ug/L | 1.183 | 0.3% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 15.00 | 123 % | 70-130 | |
| | | | CCV | ug/L | 10.00 | 121 % | 70-130 | |
| Methoxychlor | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 2.933 | 95.3 % | 73-137 | |
| | | | BS | ug/L | 2.917 | 88.6 % | 59-145 | |
| | | | BSD | ug/L | 2.955 | 90.1 % | 59-145 | |
| | | | BSRPD | ug/L | 1.183 | 2.9% | ≤30 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 75.00 | 88.0 % | 70-130 | |
| | | | CCV | ug/L | 50.00 | 92.5 % | 70-130 | |
| PCB 1016/1242 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1221 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1232 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1242 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1248 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1254 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| PCB 1260 - 1 | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| Tetrachloro-m-xylene | 505 | 09/20/17:211318SBL | Blank | ug/L | 1.188 | 86.1 % | 70-130 | |
| | | | LCS | ug/L | 1.174 | 103 % | 70-130 | |
| | | | BS | ug/L | 1.168 | 101 % | N/A | |
| | | | BSD | ug/L | 1.183 | 95.5 % | N/A | |

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| **Organic** | | | | | | | | |
| Tetrachloro-m-xylene | 505 | 09/20/17:211318SBL | BSRPD | ug/L | 1.183 | 4.5% | ≤30.0 | |
| | 505 | 09/21/17:214160SBL | CCV | ug/L | 20.02 | 158 % | 70-130 | 362 |
| | | | CCV | ug/L | 10.01 | 187 % | 70-130 | 362 |
| Toxaphene | 505 | 09/20/17:211318SBL | Blank | ug/L | | ND | <0.5 | |
| Alachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 91.8 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 98.4 % | 47-147 | |
| | | | BSD | ug/L | 2.500 | 110 % | 47-147 | |
| | | | BSRPD | ug/L | 12.50 | 0.29 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 90.4 % | 80-120 | |
| Atrazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 95.9 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 101 % | 52-154 | |
| | | | BSD | ug/L | 2.500 | 94.5 % | 52-154 | |
| | | | BSRPD | ug/L | 12.50 | 0.17 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 89.0 % | 80-120 | |
| Bromacil | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 99.5 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 38-170 | |
| | | | BSD | ug/L | 2.500 | 81.6 % | 38-170 | |
| | | | BSRPD | ug/L | 12.50 | 0.79 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| Butachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.38 | |
| | | | LCS | ug/L | 2.500 | 84.2 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 96.3 % | 37-150 | |
| | | | BSD | ug/L | 2.500 | 93.5 % | 37-150 | |
| | | | BSRPD | ug/L | 12.50 | 2.9% | ≤53.8 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 94.8 % | 80-120 | |
| Cyanazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 97.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 41-152 | |
| | | | BSD | ug/L | 2.500 | 90.5 % | 41-152 | |
| | | | BSRPD | ug/L | 12.50 | 21.9% | ≤30 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 114 % | 80-120 | |
| Diazinon | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 83.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 89.1 % | 56-128 | |
| | | | BSD | ug/L | 2.500 | 94.0 % | 56-128 | |
| | | | BSRPD | ug/L | 12.50 | 0.12 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 93.3 % | 80-120 | |
| Dimethoate | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 83.1 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 90.8 % | 49-168 | |
| | | | BSD | ug/L | 2.500 | 81.0 % | 49-168 | |
| | | | BSRPD | ug/L | 12.50 | 0.25 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| EPN/Triphenylphosphate | 507 | 09/26/17:211540caa | Blank | ug/L | 12.50 | 75.2 % | 70-130 | |
| | | | LCS | ug/L | 12.50 | 73.0 % | 70-130 | |
| | | | BS | ug/L | 12.50 | 92.2 % | 70-130 | |
| | | | BSD | ug/L | 12.50 | 74.4 % | 70-130 | |
| | | | BSRPD | ug/L | 12.50 | 21.3% | ≤30 | |
| Metolachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 94.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 101 % | 45-154 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

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|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Metolachlor | 507 | 09/26/17:211540caa | BSD | ug/L | 2.500 | 89.5 % | 45-154 | |
| | | | BSRPD | ug/L | 12.50 | 0.28 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 102 % | 80-120 | |
| Metribuzin | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 81.6 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 87.3 % | 30-169 | |
| | | | BSD | ug/L | 2.500 | 85.3 % | 30-169 | |
| | | | BSRPD | ug/L | 12.50 | 0.049 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 91.6 % | 80-120 | |
| Molinate | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 107 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 113 % | 19-191 | |
| | | | BSD | ug/L | 2.500 | 108 % | 19-191 | |
| | | | BSRPD | ug/L | 12.50 | 0.12 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 84.7 % | 80-120 | |
| Prometryne | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 2.500 | 91.4 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 99.8 % | 44-152 | |
| | | | BSD | ug/L | 2.500 | 84.0 % | 44-152 | |
| | | | BSRPD | ug/L | 12.50 | 0.39 | ≤2 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 95.2 % | 80-120 | |
| Propachlor | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 95.2 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 96.5 % | 36-179 | |
| | | | BSD | ug/L | 2.500 | 98.7 % | 36-179 | |
| | | | BSRPD | ug/L | 12.50 | 0.056 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 88.8 % | 80-120 | |
| Simazine | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <0.5 | |
| | | | LCS | ug/L | 2.500 | 99.7 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 105 % | 49-167 | |
| | | | BSD | ug/L | 2.500 | 89.7 % | 49-167 | |
| | | | BSRPD | ug/L | 12.50 | 0.38 | ≤0.5 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 100 % | 80-120 | |
| Thiobencarb | 507 | 09/26/17:211540caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 2.500 | 94.9 % | 70-130 | |
| | | | BS | ug/L | 2.500 | 95.4 % | 50-148 | |
| | | | BSD | ug/L | 2.500 | 81.9 % | 50-148 | |
| | | | BSRPD | ug/L | 12.50 | 0.34 | ≤1 | |
| | 507 | 09/29/17:214644SG | CCV | ug/L | 500.0 | 85.6 % | 80-120 | |
| Triphenylphosphate | 507 | 09/29/17:214644SG | CCV | ug/L | 2500 | 115 % | 80-120 | |
| 2,4,5-T | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 87.9 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 76.6 % | 70-130 | |
| 2,4,5-TP (Silvex) | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 75.7 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 67.4 % | 70-130 | 435 |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 74.8 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.30 | ≤1 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 75.6 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 73.8 % | 70-130 | |
| 2,4,5-Trichlorophenoxyacetic A | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 96.6 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 78.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 86.6 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.35 | ≤1 | |

October 17, 2017 Lab ID : SP 1711294
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|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,4-D | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 8.000 | 120 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 81.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 88.7 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.62 | ≤2 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 116 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 73.9 % | 70-130 | |
| 2,4-DCAA | 515.3 | 09/21/17:211389SG | Blank | ug/L | 20.00 | 87.7 % | 70-130 | |
| | | | LCS | ug/L | 20.00 | 97.2 % | 70-130 | |
| | | | MS | ug/L | 20.00 | 75.6 % | N/A | |
| | | (SP 1711160-002) | MSD | ug/L | 20.00 | 81.5 % | N/A | |
| | | | MSRPD | ug/L | 20.00 | 7.6% | ≤30. | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 200.0 | 86.8 % | 70-130 | |
| | | | CCV | ug/L | 400.0 | 75.1 % | 70-130 | |
| Bentazon | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 8.000 | 82.9 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 71.9 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 77.8 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.47 | ≤2 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 87.0 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 81.4 % | 70-130 | |
| Dalapon | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 52.00 | 85.8 % | 70-130 | |
| | | | MS | ug/L | 52.00 | 87.4 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 52.00 | 101 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 7.0 | ≤10 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 520.0 | 98.4 % | 70-130 | |
| | | | CCV | ug/L | 1040 | 90.9 % | 70-130 | |
| Dicamba | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 92.2 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 88.0 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 97.1 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.36 | ≤1 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 80.0 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 88.5 % | 70-130 | |
| Dinoseb | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 8.000 | 109 % | 70-130 | |
| | | | MS | ug/L | 8.000 | 83.2 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 8.000 | 91.1 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 9.1% | ≤30.0 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 80.00 | 90.4 % | 70-130 | |
| | | | CCV | ug/L | 160.0 | 80.8 % | 70-130 | |
| Pentachlorophenol | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 4.000 | 82.9 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 71.5 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 78.7 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 9.6% | ≤30.0 | |
| | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 81.2 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 75.0 % | 70-130 | |
| Picloram | 515.3 | 09/21/17:211389SG | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 4.000 | 121 % | 70-130 | |
| | | | MS | ug/L | 4.000 | 96.5 % | 70-130 | |
| | | (SP 1711160-002) | MSD | ug/L | 4.000 | 108 % | 70-130 | |
| | | | MSRPD | ug/L | 20.00 | 0.47 | ≤1 | |

October 17, 2017 Lab ID : SP 1711294
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|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Picloram | 515.3 | 09/25/17:214317SG | CCV | ug/L | 40.00 | 112 % | 70-130 | |
| | | | CCV | ug/L | 80.00 | 76.7 % | 70-130 | |
| 1,1,1,2-Tetrachloroethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 12-178 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 130 % | 12-178 | |
| | | | MSRPD | ug/L | 10.00 | 3.5% | ≤39 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 98.7 % | 70-130 | |
| 1,1,1-Trichloroethane(TCA) | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 139 % | 9-176 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 142 % | 9-176 | |
| | | | MSRPD | ug/L | 10.00 | 2.4% | ≤33 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| 1,1,2,2-Tetrachloroethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 144 % | 23-180 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 142 % | 23-180 | |
| | | | MSRPD | ug/L | 10.00 | 0.8% | ≤34 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 123 % | 70-130 | |
| 1,1,2-Trichloroethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 25-173 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 136 % | 25-173 | |
| | | | MSRPD | ug/L | 10.00 | 4.9% | ≤29 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| 1,1-Dichloroethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 15-161 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 133 % | 15-161 | |
| | | | MSRPD | ug/L | 10.00 | 3.2% | ≤36 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| 1,1-Dichloroethylene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 101 % | 0-162 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 109 % | 0-162 | |
| | | | MSRPD | ug/L | 10.00 | 7.0% | ≤33 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 76.8 % | 70-130 | |
| 1,1-Dichloropropene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 0-171 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 125 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 5.9% | ≤31 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 84.7 % | 70-130 | |
| 1,2,3-Trichlorobenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 14-181 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 124 % | 14-181 | |
| | | | MSRPD | ug/L | 10.00 | 7.7% | ≤34 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| 1,2,4-Trichlorobenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 95.5 % | 10-180 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 103 % | 10-180 | |
| | | | MSRPD | ug/L | 10.00 | 7.9% | ≤32 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 82.9 % | 70-130 | |
| 1,2,4-Trimethylbenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 2-192 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 141 % | 2-192 | |
| | | | MSRPD | ug/L | 10.00 | 4.2% | ≤39 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| 1,2-Dichlorobenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 130 % | 13-191 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dichlorobenzene | 524.2 | (SP 1711849-001) | MSD | ug/L | 10.00 | 135 % | 13-191 | |
| | | | MSRPD | ug/L | 10.00 | 3.5% | ≤35 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| 1,2-Dichlorobenzene-d4 | 524.2 | 09/28/17:212151VRG | Blank | ug/L | 10.00 | 95.2 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 111 % | 70-130 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 114 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 1.9% | ≤20 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 113 % | 70-130 | |
| 1,2-Dichloroethane (EDC) | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 18-162 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 136 % | 18-162 | |
| | | | MSRPD | ug/L | 10.00 | 2.5% | ≤33 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| 1,2-Dichloropropane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 10-163 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 137 % | 10-163 | |
| | | | MSRPD | ug/L | 10.00 | 5.9% | ≤34 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| 1,3,5-Trimethylbenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 133 % | 0-210 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 137 % | 0-210 | |
| | | | MSRPD | ug/L | 10.00 | 3.4% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| 1,3-Dichlorobenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 17-182 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 135 % | 17-182 | |
| | | | MSRPD | ug/L | 10.00 | 3.0% | ≤39 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| 1,3-Dichloropropane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 0-178 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 138 % | 0-178 | |
| | | | MSRPD | ug/L | 10.00 | 5.2% | ≤29 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| 1,4-Dichlorobenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 137 % | 19-183 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 142 % | 19-183 | |
| | | | MSRPD | ug/L | 10.00 | 4.0% | ≤37 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| 2,2-Dichloropropane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 0-288 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 134 % | 0-288 | |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤33 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 84.1 % | 70-130 | |
| 2-Chlorotoluene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 17-180 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 139 % | 17-180 | |
| | | | MSRPD | ug/L | 10.00 | 2.9% | ≤38 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 104 % | 70-130 | |
| 4-Bromofluorobenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | 10.00 | 93.1 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 112 % | 70-130 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 116 % | 70-130 | |
| | | | MSRPD | ug/L | 10.00 | 2.9% | ≤30 | |
| 4-Bromofluorobenzene (BFB) | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 112 % | 70-130 | |
| 4-Chlorotoluene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 4-Chlorotoluene | 524.2 | | MS | ug/L | 10.00 | 137 % | 11-177 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 142 % | 11-177 | |
| | | | MSRPD | ug/L | 10.00 | 4.1% | ≤41 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 106 % | 70-130 | |
| Benzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 12-158 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 132 % | 12-158 | |
| | | | MSRPD | ug/L | 10.00 | 5.2% | ≤36 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 96.6 % | 70-130 | |
| Bromobenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 23-177 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 125 % | 23-177 | |
| | | | MSRPD | ug/L | 10.00 | 4.5% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 96.9 % | 70-130 | |
| Bromochloromethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 4-186 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 130 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 6.0% | ≤30 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 103 % | 70-130 | |
| Bromodichloromethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 146 % | 11-164 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 152 % | 11-164 | |
| | | | MSRPD | ug/L | 10.00 | 4.2% | ≤34 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 116 % | 70-130 | |
| Bromoform | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 0-235 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 135 % | 0-235 | |
| | | | MSRPD | ug/L | 10.00 | 2.6% | ≤39 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| Bromomethane (Methyl Bromide) | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 46.5 % | 0-196 | |
| | | (SP 1711849-001) | MSD | ug/L | 40.00 | 57.2 % | 0-196 | |
| | | | MSRPD | ug/L | 10.00 | 20.5% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 122 % | 70-130 | |
| Carbon Tetrachloride | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 137 % | 5-175 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 136 % | 5-175 | |
| | | | MSRPD | ug/L | 10.00 | 0.6% | ≤32 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| Chlorobenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 14-175 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 127 % | 14-175 | |
| | | | MSRPD | ug/L | 10.00 | 7.2% | ≤35 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 91.9 % | 70-130 | |
| Chloroethane (Ethyl Chloride) | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 49.5 % | 0-184 | |
| | | (SP 1711849-001) | MSD | ug/L | 40.00 | 64.7 % | 0-184 | |
| | | | MSRPD | ug/L | 10.00 | 26.5% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 137 % | 70-130 | 360 |
| Chloroform | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 142 % | 15-163 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 145 % | 15-163 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤36 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 109 % | 70-130 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Chloromethane(Methyl Chloride) | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 38.4 % | 0-224 | |
| | | (SP 1711849-001) | MSD | ug/L | 40.00 | 49.3 % | 0-224 | |
| | | | MSRPD | ug/L | 10.00 | 24.9% | ≤39 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| cis-1,2-Dichloroethylene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 16-172 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 129 % | 16-172 | |
| | | | MSRPD | ug/L | 10.00 | 3.5% | ≤34 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 95.4 % | 70-130 | |
| cis-1,3-Dichloropropene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.550 | 119 % | 5-158 | |
| | | (SP 1711849-001) | MSD | ug/L | 9.550 | 127 % | 5-158 | |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤38 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 9.550 | 98.1 % | 70-130 | |
| Dibromochloromethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 1-180 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 131 % | 1-180 | |
| | | | MSRPD | ug/L | 10.00 | 3.8% | ≤34 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| Dibromomethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 11-168 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 133 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 6.6% | ≤28 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 108 % | 70-130 | |
| Dichlorodifluoromethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 31.1 % | 0-334 | |
| | | (SP 1711849-001) | MSD | ug/L | 40.00 | 40.5 % | 0-334 | |
| | | | MSRPD | ug/L | 10.00 | 26.2% | ≤39 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 89.9 % | 70-130 | |
| Dichloromethane | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 20-157 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 124 % | 20-157 | |
| | | | MSRPD | ug/L | 10.00 | 0.7% | ≤36 | |
| Ethyl tert-Butyl Ether | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 119 % | 11-165 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 123 % | 11-165 | |
| | | | MSRPD | ug/L | 10.00 | 0.40 | ≤3 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 94.3 % | 70-130 | |
| Ethylbenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 9-174 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 124 % | 9-174 | |
| | | | MSRPD | ug/L | 10.00 | 7.6% | ≤37 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 86.4 % | 70-130 | |
| Freon-11 | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 43.2 % | 0-232 | |
| | | (SP 1711849-001) | MSD | ug/L | 40.00 | 54.1 % | 0-232 | |
| | | | MSRPD | ug/L | 10.00 | 22.4% | ≤35 | |
| Hexachlorobutadiene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 115 % | 14-200 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 129 % | 14-200 | |
| | | | MSRPD | ug/L | 10.00 | 11.6% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 95.4 % | 70-130 | |
| Isopropyl Ether | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <3 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Isopropyl Ether | 524.2 | | MS | ug/L | 10.00 | 139 % | 8-165 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 146 % | 8-165 | |
| | | | MSRPD | ug/L | 10.00 | 0.66 | ≤3 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 110 % | 70-130 | |
| Isopropylbenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 4-159 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 118 % | 4-159 | |
| | | | MSRPD | ug/L | 10.00 | 6.7% | ≤37 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 83.6 % | 70-130 | |
| Methyl tert-Butyl Ether | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 86.2 % | 70-130 | |
| Methyl tert-Butyl Ether (MTBE) | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 10.00 | 104 % | 11-168 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 106 % | 11-168 | |
| | | | MSRPD | ug/L | 10.00 | 2.0% | ≤29 | |
| Methylene Chloride | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| Naphthalene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 98.0 % | 0-189 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 104 % | 0-189 | |
| | | | MSRPD | ug/L | 10.00 | 6.3% | ≤32 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 91.6 % | 70-130 | |
| n-Butylbenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 4-186 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 137 % | 4-186 | |
| | | | MSRPD | ug/L | 10.00 | 5.9% | ≤37 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 101 % | 70-130 | |
| n-Propylbenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 129 % | 0-174 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 137 % | 0-174 | |
| | | | MSRPD | ug/L | 10.00 | 5.4% | ≤37 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 97.7 % | 70-130 | |
| p-Isopropyltoluene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 0-193 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 134 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 97.5 % | 70-130 | |
| sec-Butylbenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 0-177 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 136 % | 0-177 | |
| | | | MSRPD | ug/L | 10.00 | 6.5% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 97.3 % | 70-130 | |
| Styrene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 0-198 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 140 % | 0-198 | |
| | | | MSRPD | ug/L | 10.00 | 6.5% | ≤37 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| TAME | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <3 | |
| | | | MS | ug/L | 10.00 | 115 % | 15-162 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 122 % | 15-162 | |
| | | | MSRPD | ug/L | 10.00 | 0.64 | ≤3 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 94.0 % | 70-130 | |
| tert-Butylbenzene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 117 % | 9-179 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 124 % | 9-179 | |
| | | | MSRPD | ug/L | 10.00 | 5.6% | ≤38 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| tert-Butylbenzene | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 88.6 % | 30-130 | |
| Tetrachloroethylene (PCE) | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 126 % | 14-186 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 131 % | 14-186 | |
| | | | MSRPD | ug/L | 10.00 | 4.4% | ≤33 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 94.1 % | 70-130 | |
| Toluene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 3-174 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 131 % | 3-174 | |
| | | | MSRPD | ug/L | 10.00 | 4.8% | ≤37 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 94.3 % | 30-130 | |
| trans-1,2-Dichloroethylene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 5-165 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 117 % | 5-165 | |
| | | | MSRPD | ug/L | 10.00 | 3.3% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 85.8 % | 70-130 | |
| trans-1,3-Dichloropropene | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 9.200 | 125 % | 0-169 | |
| | | (SP 1711849-001) | MSD | ug/L | 9.200 | 133 % | 0-169 | |
| | | | MSRPD | ug/L | 10.00 | 6.3% | ≤31 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 9.200 | 111 % | 70-130 | |
| Trichloroethylene (TCE) | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 122 % | 11-167 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 129 % | 11-167 | |
| | | | MSRPD | ug/L | 10.00 | 5.4% | ≤35 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 92.9 % | 70-130 | |
| Trichlorofluoromethane F-11 | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 107 % | 70-130 | |
| Trichlorotrifluoroethane F-113 | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 0-183 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 122 % | 0-183 | |
| | | | MSRPD | ug/L | 10.00 | 2.3% | ≤33 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 92.1 % | 70-130 | |
| Vinyl Chloride | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 45.9 % | 0-208 | |
| | | (SP 1711849-001) | MSD | ug/L | 40.00 | 60.9 % | 0-208 | |
| | | | MSRPD | ug/L | 10.00 | 28.1% | ≤40 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 124 % | 30-130 | |
| Xylenes m,p | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 20.00 | 130 % | 0-193 | |
| | | (SP 1711849-001) | MSD | ug/L | 20.00 | 138 % | 0-193 | |
| | | | MSRPD | ug/L | 10.00 | 6.1% | ≤37 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 20.00 | 98.4 % | 70-130 | |
| Xylenes o | 524.2 | 09/28/17:212151VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 120 % | 0-188 | |
| | | (SP 1711849-001) | MSD | ug/L | 10.00 | 127 % | 0-188 | |
| | | | MSRPD | ug/L | 10.00 | 5.4% | ≤36 | |
| | 524.2 | 09/28/17:215230VRG | CCV | ug/L | 10.00 | 90.8 % | 70-130 | |
| 3-Hydroxycarbofuran | 531.1 | 09/25/17:211520SG | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 116 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 102 % | 65-135 | |
| | | (SP 1711294-005) | MSD | ug/L | 20.00 | 108 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 6.2% | ≤16.8 | |
| | 531.1 | 09/25/17:214426SG | CCV | ug/L | 10.00 | 87.6 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 94.8 % | 80-120 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Aldicarb | 531.1 | 09/25/17:211520SG | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 115 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 107 % | 65-135 | |
| | | (SP 1711294-005) | MSD | ug/L | 20.00 | 118 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 9.5% | ≤11.2 | |
| | 531.1 | 09/25/17:214426SG | CCV | ug/L | 10.00 | 89.6 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 115 % | 80-120 | |
| Aldicarb Sulfone | 531.1 | 09/25/17:214426SG | CCV | ug/L | 10.00 | 109 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 116 % | 80-120 | |
| Aldicarb Sulfone/Sulfoxide | 531.1 | 09/25/17:211520SG | Blank | ug/L | | ND | <2 | |
| | | | Blank | ug/L | | ND | <3 | |
| | | | LCS | ug/L | 20.00 | 98.9 % | 80-120 | |
| | | | LCS | ug/L | 20.00 | 98.8 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 113 % | 65-135 | |
| | | | MS | ug/L | 20.00 | 111 % | 65-135 | |
| | | (SP 1711294-005) | MSD | ug/L | 20.00 | 120 % | 65-135 | |
| | | (SP 1711294-005) | MSD | ug/L | 20.00 | 119 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 5.0% | ≤13.8 | |
| | | | MSRPD | ug/L | 20.00 | 7.8% | ≤7.28 | 435 |
| Aldicarb Sulfoxide | 531.1 | 09/25/17:214426SG | CCV | ug/L | 10.00 | 107 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 116 % | 80-120 | |
| Carbaryl | 531.1 | 09/25/17:214426SG | CCV | ug/L | 10.00 | 95.8 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 105 % | 80-120 | |
| Carbaryl/Naphthol | 531.1 | 09/25/17:211520SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 99.9 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 106 % | 65-135 | |
| | | (SP 1711294-005) | MSD | ug/L | 20.00 | 111 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 0.98 | ≤5 | |
| Carbofuran | 531.1 | 09/25/17:211520SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 107 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 96.9 % | 65-135 | |
| | | (SP 1711294-005) | MSD | ug/L | 20.00 | 113 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 3.2 | ≤5 | |
| | 531.1 | 09/25/17:214426SG | CCV | ug/L | 10.00 | 91.6 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 98.2 % | 80-120 | |
| Methomyl | 531.1 | 09/25/17:211520SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 98.6 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 113 % | 65-135 | |
| | | (SP 1711294-005) | MSD | ug/L | 20.00 | 119 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 5.5% | ≤53.1 | |
| | 531.1 | 09/25/17:214426SG | CCV | ug/L | 10.00 | 108 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 112 % | 80-120 | |
| Oxamyl | 531.1 | 09/25/17:211520SG | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 96.8 % | 80-120 | |
| | | | MS | ug/L | 20.00 | 109 % | 65-135 | |
| | | (SP 1711294-005) | MSD | ug/L | 20.00 | 116 % | 65-135 | |
| | | | MSRPD | ug/L | 20.00 | 1.5 | ≤5 | |
| | 531.1 | 09/25/17:214426SG | CCV | ug/L | 10.00 | 106 % | 80-120 | |
| | | | CCV | ug/L | 20.00 | 113 % | 80-120 | |
| TOC | 5310C | 09/20/17:211306AMM | Blank | mg/L | | ND | <0.3 | |
| | | | BS | mg/L | 15.00 | 97.0 % | 75-125 | |
| | | | BSD | mg/L | 15.00 | 90.5 % | 75-125 | |
| | | | BSRPD | mg/L | 15.00 | 6.9% | ≤23.0 | |
| | 5310C | 09/20/17:214222AMM | CCV | ppm | 15.00 | 104 % | 67-122 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| TOC | 5310C | 09/20/17:214222AMM | CCV | ppm | 15.00 | 107 % | 67-122 | |
| Endothall | 548.1 | 09/19/17:211274SG | Blank | ug/L | | ND | <40 | |
| | | | LCS | ug/L | 66.67 | 91.2 % | 30-96 | |
| | | | MS | ug/L | 66.67 | 15.3 % | 15-87 | |
| | | (STK1751650-001) | MSD | ug/L | 66.67 | 30.5 % | 15-87 | |
| | | | MSRPD | ug/L | 66.67 | 10 | ≤40 | |
| | 548.1 | 09/22/17:214244SG | CCV | ug/L | 2500 | 107 % | 70-130 | |
| | | | CCV | ug/L | 1000 | 93.0 % | 70-130 | |
| Diquat Dibromide | 549 | 09/19/17:211268SG | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 39.2 % | 34-114 | |
| | | | MS | ug/L | 20.00 | 35.6 % | 0-86 | |
| | | (SP 1711393-001) | MSD | ug/L | 20.00 | 57.2 % | 0-86 | |
| | | | MSRPD | ug/L | 20.00 | 4.3 | ≤2 | 435 |
| | 549.2 | 09/26/17:214477SG | CCV | ug/L | 500.0 | 116 % | 80-120 | |
| | | | CCV | ug/L | 1000 | 99.1 % | 80-120 | |
| 2,3-Dibromopropionic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | 5.000 | 81.6 % | 70-130 | |
| | | | LCS | ug/L | 5.000 | 94.1 % | 70-130 | |
| | | | MS | ug/L | 5.000 | 89.9 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 5.000 | 95.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 0.29 | ≤1 | |
| Dibromoacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 85.7 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 79.7 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 89.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.8% | ≤20.0 | |
| Dichloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 87.3 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 84.2 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 93.7 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.5% | ≤20.0 | |
| Monobromoacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 77.5 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 74.8 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 80.6 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 7.1% | ≤20.0 | |
| Monochloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 10.00 | 76.4 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 77.2 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 82.8 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 0.57 | ≤2 | |
| Trichloroacetic Acid | 552 | 09/22/17:211426SBL | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 10.00 | 80.0 % | 70-130 | |
| | | | MS | ug/L | 10.00 | 75.6 % | 70-130 | |
| | | (SP 1711202-001) | MSD | ug/L | 10.00 | 84.8 % | 70-130 | |
| | | | MSRPD | ug/L | 5.000 | 10.4% | ≤20.0 | |
| 2,3-Dibromopropionic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 75.00 | 135 % | 70-130 | 362 |
| | | | CCV | ug/L | 50.00 | 117 % | 70-130 | |
| Dibromoacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 150.0 | 122 % | 70-130 | |
| | | | CCV | ug/L | 100.0 | 117 % | 70-130 | |
| Dichloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 150.0 | 119 % | 70-130 | |
| | | | CCV | ug/L | 100.0 | 115 % | 70-130 | |
| Monobromoacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 150.0 | 107 % | 70-130 | |
| | | | CCV | ug/L | 100.0 | 106 % | 70-130 | |
| Monochloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 150.0 | 107 % | 70-130 | |

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Monochloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 100.0 | 111 % | 70-130 | |
| Trichloroacetic Acid | 552.2 | 09/23/17:214323SBL | CCV | ug/L | 150.0 | 109 % | 70-130 | |
| | | | CCV | ug/L | 100.0 | 109 % | 70-130 | |
| Chlordane | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.1 | |
| PCB 1016 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1221 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1232 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1242 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1248 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1254 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| PCB 1260 - 1 | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| Tetrachloro-m-xylene | 608/8081 | 09/18/17:211160caa | Blank | ug/L | 0.5005 | 47.8 % | 15-143 | |
| | | | LCS | ug/L | 0.5005 | 38.0 % | 15-143 | |
| | | | BS | ug/L | 0.5005 | 57.7 % | 26-141 | |
| | | | BSD | ug/L | 0.5005 | 28.1 % | 26-141 | |
| | | | BSRPD | ug/L | 0.5005 | 0.15 | ≤0.05 | 410 |
| | 608/8081 | 09/22/17:214242SBL | CCV | ug/L | 50.05 | 87.9 % | 85-115 | |
| | | | CCV | ug/L | 100.1 | 89.3 % | 85-115 | |
| Toxaphene | 608/8081 | 09/18/17:211160caa | Blank | ug/L | | ND | <0.5 | |
| 1,1,1-Trichloroethane(TCA) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 66-191 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 104 % | 66-191 | |
| | | | MSRPD | ug/L | 10.00 | 3.9% | ≤21 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 78.4 % | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 105 % | 30-180 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 106 % | 30-180 | |
| | | | MSRPD | ug/L | 10.00 | 0.3% | ≤19 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 102 % | 60-140 | |
| 1,1,2-Trichloroethane | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 98.6 % | 50-146 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 98.0 % | 50-146 | |
| | | | MSRPD | ug/L | 10.00 | 0.5% | ≤25 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 95.0 % | 71-129 | |
| 1,1-Dichloroethane | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 97.8 % | 63-159 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 95.8 % | 63-159 | |
| | | | MSRPD | ug/L | 10.00 | 2.1% | ≤22 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 77.3 % | 72-128 | |
| 1,1-Dichloroethylene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 61.8 % | 0-279 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 71.9 % | 0-279 | |
| | | | MSRPD | ug/L | 10.00 | 15.1% | ≤36 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 53.9 % | 51-150 | |
| 1,2-Dichlorobenzene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 123 % | 57-153 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 122 % | 57-153 | |
| | | | MSRPD | ug/L | 10.00 | 0.4% | ≤26 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 107 % | 63-137 | |
| 1,2-Dichloroethane (EDC) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 119 % | 56-158 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 115 % | 56-158 | |
| | | | MSRPD | ug/L | 10.00 | 3.7% | ≤24 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 109 % | 68-132 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,2-Dichloropropane | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 109 % | 55-152 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 107 % | 55-152 | |
| | | | MSRPD | ug/L | 10.00 | 1.2% | ≤23 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 86.6 % | 34-166 | |
| 1,3-Dichlorobenzene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 131 % | 53-159 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 131 % | 53-159 | |
| | | | MSRPD | ug/L | 10.00 | 0.4% | ≤28 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 105 % | 73-127 | |
| 1,4-Dichlorobenzene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 53-161 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 134 % | 53-161 | |
| | | | MSRPD | ug/L | 10.00 | 1.5% | ≤27 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 107 % | 63-137 | |
| 2-Butanone (MEK) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <40 | |
| | | | MS | ug/L | 100.0 | 90.8 % | 0-211 | |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 97.1 % | 0-211 | |
| | | | MSRPD | ug/L | 10.00 | 6.3 | ≤40 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 80.00 | 99.6 % | 20-230 | |
| 2-Chloroethylvinyl ether | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <1 | |
| | | | MS | ug/L | 100.0 | 64.9 % | 0-11 | 435 |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 66.6 % | 0-11 | 435 |
| | | | MSRPD | ug/L | 10.00 | 2.6% | ≤3 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 80.00 | 70.1 % | 10-224 | |
| 2-Hexanone | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <30 | |
| | | | MS | ug/L | 100.0 | 87.6 % | 0-190 | |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 92.4 % | 0-190 | |
| | | | MSRPD | ug/L | 10.00 | 4.8 | ≤30 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 80.00 | 108 % | 20-283 | |
| 4-Bromofluorobenzene | 624 | 09/19/17:211857VRG | Blank | ug/L | 10.00 | 102 % | 70-161 | |
| | | | MS | ug/L | 10.00 | 109 % | 58-151 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 108 % | 58-151 | |
| | | | MSRPD | ug/L | 10.00 | 1.6% | ≤14 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| 4-Methyl-2-pentanone (MIBK) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <30 | |
| | | | MS | ug/L | 100.0 | 93.6 % | 0-194 | |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 94.7 % | 0-194 | |
| | | | MSRPD | ug/L | 10.00 | 1.1 | ≤30 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 80.00 | 104 % | 20-233 | |
| Acetone | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <25 | |
| | | | MS | ug/L | 100.0 | 110 % | 0-270 | |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 112 % | 0-270 | |
| | | | MSRPD | ug/L | 10.00 | 2.1 | ≤25 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 80.00 | 136 % | 20-367 | |
| Acrolein | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 100.0 | 53.3 % | 0-171 | |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 71.7 % | 0-171 | |
| | | | MSRPD | ug/L | 10.00 | 27.8% | ≤50 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 100.0 | 102 % | 20-209 | |
| Acrylonitrile | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <2 | |
| | | | MS | ug/L | 100.0 | 251 % | 0-244 | 435 |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 257 % | 0-244 | 435 |
| | | | MSRPD | ug/L | 10.00 | 2.5% | ≤47 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Acrylonitrile | 624 | 09/19/17:214843VRG | CCV | ug/L | 100.0 | 285 % | 20-278 | 360 |
| Benzene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 103 % | 65-155 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 102 % | 65-155 | |
| | | | MSRPD | ug/L | 10.00 | 1.0% | ≤21 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 79.8 % | 64-136 | |
| Bromodichloromethane | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 79.3 % | 62-150 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 74.7 % | 62-150 | |
| | | | MSRPD | ug/L | 10.00 | 1.6% | ≤22 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 92.5 % | 65-135 | |
| Bromoform | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 122 % | 64-150 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 116 % | 64-150 | |
| | | | MSRPD | ug/L | 10.00 | 3.8% | ≤16 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 115 % | 71-129 | |
| Bromomethane (Methyl Bromide) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 53.1 % | 48-196 | |
| | | (STK1751976-001) | MSD | ug/L | 40.00 | 53.8 % | 48-196 | |
| | | | MSRPD | ug/L | 10.00 | 1.3% | ≤24 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 130 % | 14-186 | |
| Carbon Disulfide | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 100.0 | 96.1 % | 0-230 | |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 94.5 % | 0-230 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤72 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 80.00 | 63.1 % | 20-242 | |
| Carbon Tetrachloride | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 108 % | 69-206 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 112 % | 69-206 | |
| | | | MSRPD | ug/L | 10.00 | 3.8% | ≤19 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 90.1 % | 73-127 | |
| Chlorobenzene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 118 % | 69-152 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 115 % | 69-152 | |
| | | | MSRPD | ug/L | 10.00 | 3.0% | ≤24 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 92.1 % | 66-134 | |
| Chloroethane (Ethyl Chloride) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 41.3 % | 53-214 | 435 |
| | | (STK1751976-001) | MSD | ug/L | 40.00 | 41.2 % | 53-214 | 435 |
| | | | MSRPD | ug/L | 10.00 | 0.2% | ≤32 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 79.9 % | 38-162 | |
| Chloroform | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 82.6 % | 55-155 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 86.4 % | 55-155 | |
| | | | MSRPD | ug/L | 10.00 | 1.2% | ≤22 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 83.6 % | 67-133 | |
| Chloromethane(Methyl Chloride) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 51.0 % | 33-202 | |
| | | (STK1751976-001) | MSD | ug/L | 40.00 | 49.2 % | 33-202 | |
| | | | MSRPD | ug/L | 10.00 | 3.6% | ≤25 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 103 % | 0-204 | |
| cis-1,3-Dichloropropene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 114 % | 59-142 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 110 % | 59-142 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| cis-1,3-Dichloropropene | 624 | 09/19/17:211857VRG | MSRPD | ug/L | 10.00 | 3.8% | ≤23 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 93.4 % | 24-176 | |
| Dibromochloromethane | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 88.1 % | 53-151 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 81.8 % | 53-151 | |
| | | | MSRPD | ug/L | 10.00 | 2.8% | ≤25 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 96.9 % | 67-133 | |
| Dichloromethane | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <2 | |
| | | | MS | ug/L | 10.00 | 93.8 % | 24-207 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 90.7 % | 24-207 | |
| | | | MSRPD | ug/L | 10.00 | 0.31 | ≤2 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 81.8 % | 60-139 | |
| Ethylbenzene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 135 % | 45-194 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 135 % | 45-194 | |
| | | | MSRPD | ug/L | 10.00 | 0.1% | ≤31 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 98.2 % | 59-141 | |
| Fluorobenzene | 624 | 09/19/17:211857VRG | Blank | ug/L | 10.00 | 99.7 % | 72-139 | |
| | | | MS | ug/L | 10.00 | 102 % | 90-121 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 98.3 % | 90-121 | |
| | | | MSRPD | ug/L | 10.00 | 3.3% | ≤3 | 435 |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 100 % | 70-130 | |
| Freon-11 | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 40.00 | 47.0 % | 57-259 | 435 |
| | | (STK1751976-001) | MSD | ug/L | 40.00 | 65.1 % | 57-259 | |
| | | | MSRPD | ug/L | 10.00 | 32.2% | ≤27 | 435 |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 74.5 % | 48-152 | |
| Methyl tert-Butyl Ether (MTBE) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <5 | |
| | | | MS | ug/L | 10.00 | 92.4 % | 26-210 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 102 % | 26-210 | |
| | | | MSRPD | ug/L | 10.00 | 0.94 | ≤5 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 83.6 % | 63-178 | |
| Pentafluorobenzene | 624 | 09/19/17:211857VRG | Blank | ug/L | 10.00 | 109 % | 59-151 | |
| | | | MS | ug/L | 10.00 | 106 % | 74-148 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 107 % | 74-148 | |
| | | | MSRPD | ug/L | 10.00 | 1.0% | ≤10 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 105 % | 70-130 | |
| Styrene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 128 % | 6-195 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 129 % | 6-195 | |
| | | | MSRPD | ug/L | 10.00 | 1.1% | ≤25 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 101 % | 67-158 | |
| Tetrachloroethylene (PCE) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 125 % | 63-171 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 126 % | 63-171 | |
| | | | MSRPD | ug/L | 10.00 | 0.2% | ≤26 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 87.7 % | 73-127 | |
| Toluene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 109 % | 65-160 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 108 % | 65-160 | |
| | | | MSRPD | ug/L | 10.00 | 1.8% | ≤25 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 80.1 % | 74-126 | |
| trans-1,2-Dichloroethylene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 68.2 % | 68-179 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| trans-1,2-Dichloroethylene | 624 | (STK1751976-001) | MSD | ug/L | 10.00 | 106 % | 68-179 | |
| | | | MSRPD | ug/L | 10.00 | 43.4% | ≤51 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 78.5 % | 69-131 | |
| trans-1,3-Dichloropropene | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 98.7 % | 55-148 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 93.9 % | 55-148 | |
| | | | MSRPD | ug/L | 10.00 | 5.0% | ≤25 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 85.8 % | 50-150 | |
| Trichloroethylene (TCE) | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 111 % | 54-178 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 111 % | 54-178 | |
| | | | MSRPD | ug/L | 10.00 | 0.04% | ≤22 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 80.8 % | 66-134 | |
| Vinyl Acetate | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <10 | |
| | | | MS | ug/L | 100.0 | 86.5 % | 0-331 | |
| | | (STK1751976-001) | MSD | ug/L | 100.0 | 88.0 % | 0-331 | |
| | | | MSRPD | ug/L | 10.00 | 1.7% | ≤44 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 80.00 | 87.3 % | 20-393 | |
| Vinyl Chloride | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 40.00 | 54.0 % | 32-217 | |
| | | (STK1751976-001) | MSD | ug/L | 40.00 | 49.4 % | 32-217 | |
| | | | MSRPD | ug/L | 10.00 | 8.8% | ≤26 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 100 % | 4-196 | |
| Xylenes m,p | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <1.0 | |
| | | | MS | ug/L | 20.00 | 133 % | 50-181 | |
| | | (STK1751976-001) | MSD | ug/L | 20.00 | 131 % | 50-181 | |
| | | | MSRPD | ug/L | 10.00 | 1.5% | ≤30 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 20.00 | 96.2 % | 45-170 | |
| Xylenes o | 624 | 09/19/17:211857VRG | Blank | ug/L | | ND | <0.5 | |
| | | | MS | ug/L | 10.00 | 132 % | 38-182 | |
| | | (STK1751976-001) | MSD | ug/L | 10.00 | 134 % | 38-182 | |
| | | | MSRPD | ug/L | 10.00 | 1.8% | ≤29 | |
| | 624 | 09/19/17:214843VRG | CCV | ug/L | 10.00 | 99.3 % | 63-163 | |
| 1,2,4-Trichlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 73.6 % | 38-105 | |
| | | | BS | ug/L | 20.00 | 78.3 % | 21-110 | |
| | | | BSD | ug/L | 20.00 | 85.1 % | 21-110 | |
| | | | BSRPD | ug/L | 20.00 | 8.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 103 % | 80-120 | |
| 1,2-Dichlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 78.2 % | 48-97 | |
| | | | BS | ug/L | 20.00 | 83.7 % | 16-115 | |
| | | | BSD | ug/L | 20.00 | 89.8 % | 16-115 | |
| | | | BSRPD | ug/L | 20.00 | 7.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| 1,2-Diphenylhydrazine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.4 % | 61-111 | |
| | | | BS | ug/L | 20.00 | 87.5 % | 39-121 | |
| | | | BSD | ug/L | 20.00 | 92.4 % | 39-121 | |
| | | | BSRPD | ug/L | 20.00 | 5.4% | ≤30 | |
| 1,3-Dichlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 74.4 % | 39-94 | |
| | | | BS | ug/L | 20.00 | 80.4 % | 11-111 | |
| | | | BSD | ug/L | 20.00 | 87.0 % | 11-111 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 1,3-Dichlorobenzene | 625 | 09/21/17:211355caa | BSRPD | ug/L | 20.00 | 7.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| 1,4-Dichlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 74.7 % | 42-95 | |
| | | | BS | ug/L | 20.00 | 82.9 % | 13-111 | |
| | | | BSD | ug/L | 20.00 | 90.0 % | 13-111 | |
| | | | BSRPD | ug/L | 20.00 | 8.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| 2,4,5-Trichlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 104 % | 70-122 | |
| | | | BS | ug/L | 20.00 | 110 % | 36-148 | |
| | | | BSD | ug/L | 20.00 | 116 % | 36-148 | |
| | | | BSRPD | ug/L | 20.00 | 5.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 123 % | 70-130 | |
| 2,4,6-Tribromophenol | 625 | 09/21/17:211355caa | Blank | ug/L | 20.00 | 55.5 % | 34-116 | |
| | | | LCS | ug/L | 20.00 | 67.5 % | 34-116 | |
| | | | BS | ug/L | 20.00 | 69.8 % | 34-116 | |
| | | | BSD | ug/L | 20.00 | 72.3 % | 34-116 | |
| | | | BSRPD | ug/L | 20.00 | 3.5% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 97.2 % | 80-120 | |
| 2,4,6-Trichlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.3 % | 65-115 | |
| | | | BS | ug/L | 20.00 | 91.0 % | 38-136 | |
| | | | BSD | ug/L | 20.00 | 96.4 % | 38-136 | |
| | | | BSRPD | ug/L | 20.00 | 5.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| 2,4-Dichlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 85.4 % | 68-117 | |
| | | | BS | ug/L | 20.00 | 90.9 % | 37-131 | |
| | | | BSD | ug/L | 20.00 | 97.0 % | 37-131 | |
| | | | BSRPD | ug/L | 20.00 | 6.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| 2,4-Dimethylphenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 66.3 % | 54-97 | |
| | | | BS | ug/L | 20.00 | 66.9 % | 23-118 | |
| | | | BSD | ug/L | 20.00 | 74.7 % | 23-118 | |
| | | | BSRPD | ug/L | 20.00 | 11.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 93.9 % | 80-120 | |
| 2,4-Dinitrophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <5 | |
| | | | LCS | ug/L | 20.00 | 76.2 % | 37-112 | |
| | | | BS | ug/L | 20.00 | 86.5 % | 15-146 | |
| | | | BSD | ug/L | 20.00 | 80.5 % | 15-146 | |
| | | | BSRPD | ug/L | 20.00 | 1.2 | ≤5 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 96.9 % | 80-120 | |
| 2,4-Dinitrotoluene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.4 % | 71-114 | |
| | | | BS | ug/L | 20.00 | 97.5 % | 49-135 | |
| | | | BSD | ug/L | 20.00 | 102 % | 49-135 | |
| | | | BSRPD | ug/L | 20.00 | 4.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| 2,6-Dinitrotoluene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 96.7 % | 72-119 | |
| | | | BS | ug/L | 20.00 | 101 % | 43-140 | |
| | | | BSD | ug/L | 20.00 | 108 % | 43-140 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| 2,6-Dinitrotoluene | 625 | 09/21/17:211355caa | BSRPD | ug/L | 20.00 | 6.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 118 % | 80-120 | |
| 2-Chlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 81.8 % | 63-114 | |
| | | | BS | ug/L | 20.00 | 88.0 % | 34-124 | |
| | | | BSD | ug/L | 20.00 | 92.3 % | 34-124 | |
| | | | BSRPD | ug/L | 20.00 | 4.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| 2-Fluorobiphenyl | 625 | 09/21/17:211355caa | Blank | ug/L | 10.00 | 58.6 % | 29-98 | |
| | | | LCS | ug/L | 10.00 | 57.7 % | 29-98 | |
| | | | BS | ug/L | 10.00 | 58.8 % | 29-98 | |
| | | | BSD | ug/L | 10.00 | 63.5 % | 29-98 | |
| | | | BSRPD | ug/L | 20.00 | 7.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 10.00 | 100 % | 80-120 | |
| 2-Fluorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | 20.00 | 64.5 % | 23-105 | |
| | | | LCS | ug/L | 20.00 | 59.7 % | 23-105 | |
| | | | BS | ug/L | 20.00 | 67.5 % | 23-105 | |
| | | | BSD | ug/L | 20.00 | 68.2 % | 23-105 | |
| | | | BSRPD | ug/L | 20.00 | 1.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| 2-Nitrophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 88.3 % | 59-125 | |
| | | | BS | ug/L | 20.00 | 95.6 % | 39-135 | |
| | | | BSD | ug/L | 20.00 | 96.6 % | 39-135 | |
| | | | BSRPD | ug/L | 20.00 | 1.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 116 % | 80-120 | |
| 3,3-Dichlorobenzidine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 67.6 % | 52-119 | |
| | | | BS | ug/L | 20.00 | 65.0 % | 3-125 | |
| | | | BSD | ug/L | 20.00 | 63.6 % | 3-125 | |
| | | | BSRPD | ug/L | 20.00 | 2.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 122 % | 80-120 | 360 |
| 4,6-Dinitro-2-methylphenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 71.3 % | 35-129 | |
| | | | BS | ug/L | 20.00 | 79.8 % | 36-137 | |
| | | | BSD | ug/L | 20.00 | 75.8 % | 36-137 | |
| | | | BSRPD | ug/L | 20.00 | 5.1% | ≤30 | |
| 4,6-Dinitro-o-cresol | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 89.6 % | 80-120 | |
| 4-Bromophenylphenylether | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 82.0 % | 66-111 | |
| | | | BS | ug/L | 20.00 | 84.1 % | 41-123 | |
| | | | BSD | ug/L | 20.00 | 89.4 % | 41-123 | |
| | | | BSRPD | ug/L | 20.00 | 6.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 100 % | 80-120 | |
| 4-Nitrophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 114 % | 57-144 | |
| | | | BS | ug/L | 20.00 | 119 % | 11-199 | |
| | | | BSD | ug/L | 20.00 | 122 % | 11-199 | |
| | | | BSRPD | ug/L | 20.00 | 1.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 128 % | 80-120 | 360 |
| Acenaphthene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 82.9 % | 60-106 | |
| | | | BS | ug/L | 20.00 | 85.9 % | 33-122 | |
| | | | BSD | ug/L | 20.00 | 92.9 % | 33-122 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Acenaphthene | 625 | 09/21/17:211355caa | BSRPD | ug/L | 20.00 | 7.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| Acenaphthylene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.3 % | 63-109 | |
| | | | BS | ug/L | 20.00 | 90.2 % | 34-126 | |
| | | | BSD | ug/L | 20.00 | 97.3 % | 34-126 | |
| | | | BSRPD | ug/L | 20.00 | 7.5% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Anthracene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.6 % | 73-108 | |
| | | | BS | ug/L | 20.00 | 92.6 % | 44-122 | |
| | | | BSD | ug/L | 20.00 | 97.4 % | 44-122 | |
| | | | BSRPD | ug/L | 20.00 | 5.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Azobenzene | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Benzidine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 2.3 % | 0-59 | |
| | | | BS | ug/L | 20.00 | 2.4 % | 0-115 | |
| | | | BSD | ug/L | 20.00 | 2.8 % | 0-115 | |
| | | | BSRPD | ug/L | 20.00 | 0.075 | ≤2 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 124 % | 70-130 | |
| Benzo(a)anthracene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 94.8 % | 80-106 | |
| | | | BS | ug/L | 20.00 | 97.5 % | 42-123 | |
| | | | BSD | ug/L | 20.00 | 100 % | 42-123 | |
| | | | BSRPD | ug/L | 20.00 | 2.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| Benzo(a)pyrene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 92.5 % | 77-105 | |
| | | | BS | ug/L | 20.00 | 94.3 % | 41-121 | |
| | | | BSD | ug/L | 20.00 | 95.6 % | 41-121 | |
| | | | BSRPD | ug/L | 20.00 | 1.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Benzo(b)fluoranthene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 90.5 % | 80-104 | |
| | | | BS | ug/L | 20.00 | 98.2 % | 35-135 | |
| | | | BSD | ug/L | 20.00 | 104 % | 35-135 | |
| | | | BSRPD | ug/L | 20.00 | 5.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| Benzo(g,h,i)perylene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 92.6 % | 49-128 | |
| | | | BS | ug/L | 20.00 | 96.9 % | 38-118 | |
| | | | BSD | ug/L | 20.00 | 88.4 % | 38-118 | |
| | | | BSRPD | ug/L | 20.00 | 9.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 113 % | 80-120 | |
| Benzo(k)fluoranthene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.1 % | 71-113 | |
| | | | BS | ug/L | 20.00 | 96.5 % | 40-124 | |
| | | | BSD | ug/L | 20.00 | 100 % | 40-124 | |
| | | | BSRPD | ug/L | 20.00 | 3.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| bis(2-Chloroethoxy)methane | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.3 % | 65-111 | |
| | | | BS | ug/L | 20.00 | 86.8 % | 32-128 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| bis(2-Chloroethoxy)methane | 625 | 09/21/17:211355caa | BSD | ug/L | 20.00 | 95.3 % | 32-128 | |
| | | | BSRPD | ug/L | 20.00 | 9.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| bis(2-Chloroethyl)ether | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 85.0 % | 68-110 | |
| | | | BS | ug/L | 20.00 | 90.3 % | 0-201 | |
| | | | BSD | ug/L | 20.00 | 96.7 % | 0-201 | |
| | | | BSRPD | ug/L | 20.00 | 6.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| bis(2-Chloroisopropyl)ether | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 74.0 % | 48-105 | |
| | | | BS | ug/L | 20.00 | 77.7 % | 27-116 | |
| | | | BSD | ug/L | 20.00 | 83.3 % | 27-116 | |
| | | | BSRPD | ug/L | 20.00 | 7.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 96.0 % | 80-120 | |
| bis(2-Ethylhexyl)phthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 88.6 % | 69-116 | |
| | | | BS | ug/L | 20.00 | 87.9 % | 18-137 | |
| | | | BSD | ug/L | 20.00 | 95.9 % | 18-137 | |
| | | | BSRPD | ug/L | 20.00 | 8.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| Butylbenzylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 72.3 % | 14-112 | |
| | | | BS | ug/L | 20.00 | 71.9 % | 18-136 | |
| | | | BSD | ug/L | 20.00 | 78.1 % | 18-136 | |
| | | | BSRPD | ug/L | 20.00 | 8.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Chloronaphthalene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 81.4 % | 56-105 | |
| | | | BS | ug/L | 20.00 | 84.3 % | 32-119 | |
| | | | BSD | ug/L | 20.00 | 91.5 % | 32-119 | |
| | | | BSRPD | ug/L | 20.00 | 8.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| Chlorophenylphenylether | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 78.7 % | 62-111 | |
| | | | BS | ug/L | 20.00 | 82.8 % | 40-119 | |
| | | | BSD | ug/L | 20.00 | 88.9 % | 40-119 | |
| | | | BSRPD | ug/L | 20.00 | 7.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 99.6 % | 80-120 | |
| Chrysene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 93.9 % | 79-107 | |
| | | | BS | ug/L | 20.00 | 98.3 % | 39-123 | |
| | | | BSD | ug/L | 20.00 | 101 % | 39-123 | |
| | | | BSRPD | ug/L | 20.00 | 2.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| Dibenzo(a,h)anthracene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 103 % | 63-133 | |
| | | | BS | ug/L | 20.00 | 110 % | 34-138 | |
| | | | BSD | ug/L | 20.00 | 101 % | 34-138 | |
| | | | BSRPD | ug/L | 20.00 | 8.5% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 123 % | 80-120 | 360 |
| Diethylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 45.6 % | 0-87 | |
| | | | BS | ug/L | 20.00 | 53.5 % | 0-147 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Diethylphthalate | 625 | 09/21/17:211355caa | BSD | ug/L | 20.00 | 55.4 % | 0-147 | |
| | | | BSRPD | ug/L | 20.00 | 3.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Dimethylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 42.5 % | 0-56 | |
| | | | BS | ug/L | 20.00 | 50.9 % | 0-137 | |
| | | | BSD | ug/L | 20.00 | 52.8 % | 0-137 | |
| | | | BSRPD | ug/L | 20.00 | 3.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 104 % | 80-120 | |
| Di-n-butylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 75.9 % | 20-120 | |
| | | | BS | ug/L | 20.00 | 77.3 % | 26-141 | |
| | | | BSD | ug/L | 20.00 | 81.2 % | 26-141 | |
| | | | BSRPD | ug/L | 20.00 | 5.0% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 111 % | 80-120 | |
| Di-n-octylphthalate | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 96.8 % | 55-126 | |
| | | | BS | ug/L | 20.00 | 95.5 % | 29-144 | |
| | | | BSD | ug/L | 20.00 | 111 % | 29-144 | |
| | | | BSRPD | ug/L | 20.00 | 14.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 113 % | 80-120 | |
| Fluoranthene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 91.2 % | 73-111 | |
| | | | BS | ug/L | 20.00 | 94.3 % | 48-126 | |
| | | | BSD | ug/L | 20.00 | 97.8 % | 48-126 | |
| | | | BSRPD | ug/L | 20.00 | 3.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Fluorene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 85.9 % | 64-111 | |
| | | | BS | ug/L | 20.00 | 89.2 % | 38-123 | |
| | | | BSD | ug/L | 20.00 | 96.0 % | 38-123 | |
| | | | BSRPD | ug/L | 20.00 | 7.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 109 % | 80-120 | |
| Hexachlorobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 80.1 % | 66-108 | |
| | | | BS | ug/L | 20.00 | 83.0 % | 40-115 | |
| | | | BSD | ug/L | 20.00 | 88.8 % | 40-115 | |
| | | | BSRPD | ug/L | 20.00 | 6.7% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 99.9 % | 80-120 | |
| Hexachlorobutadiene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 61.8 % | 4-104 | |
| | | | BS | ug/L | 20.00 | 66.8 % | 4-101 | |
| | | | BSD | ug/L | 20.00 | 69.5 % | 4-101 | |
| | | | BSRPD | ug/L | 20.00 | 3.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 101 % | 80-120 | |
| Hexachlorocyclopentadiene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 41.3 % | 0-73 | |
| | | | BS | ug/L | 20.00 | 38.0 % | 4-44 | |
| | | | BSD | ug/L | 20.00 | 39.8 % | 4-44 | |
| | | | BSRPD | ug/L | 20.00 | 4.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Hexachloroethane | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 71.6 % | 16-97 | |
| | | | BS | ug/L | 20.00 | 78.2 % | 0-109 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Hexachloroethane | 625 | 09/21/17:211355caa | BSD | ug/L | 20.00 | 83.2 % | 0-109 | |
| | | | BSRPD | ug/L | 20.00 | 6.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 112 % | 80-120 | |
| Indeno(1,2,3-c,d)pyrene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 103 % | 58-129 | |
| | | | BS | ug/L | 20.00 | 109 % | 26-146 | |
| | | | BSD | ug/L | 20.00 | 100 % | 26-146 | |
| | | | BSRPD | ug/L | 20.00 | 8.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 122 % | 80-120 | 360 |
| Isophorone | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 91.9 % | 63-107 | |
| | | | BS | ug/L | 20.00 | 96.0 % | 35-124 | |
| | | | BSD | ug/L | 20.00 | 102 % | 35-124 | |
| | | | BSRPD | ug/L | 20.00 | 6.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 113 % | 80-120 | |
| Naphthalene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 82.4 % | 61-104 | |
| | | | BS | ug/L | 20.00 | 85.5 % | 28-122 | |
| | | | BSD | ug/L | 20.00 | 92.4 % | 28-122 | |
| | | | BSRPD | ug/L | 20.00 | 7.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 108 % | 80-120 | |
| Nitrobenzene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.2 % | 62-104 | |
| | | | BS | ug/L | 20.00 | 87.8 % | 49-108 | |
| | | | BSD | ug/L | 20.00 | 95.4 % | 49-108 | |
| | | | BSRPD | ug/L | 20.00 | 8.3% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 110 % | 80-120 | |
| Nitrobenzene-d5 | 625 | 09/21/17:211355caa | Blank | ug/L | 10.00 | 60.8 % | 23-104 | |
| | | | LCS | ug/L | 10.00 | 59.8 % | 23-104 | |
| | | | BS | ug/L | 10.00 | 62.1 % | 23-104 | |
| | | | BSD | ug/L | 10.00 | 66.8 % | 23-104 | |
| | | | BSRPD | ug/L | 20.00 | 7.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 10.00 | 105 % | 80-120 | |
| N-Nitrosodimethylamine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 89.8 % | 60-117 | |
| | | | BS | ug/L | 20.00 | 86.8 % | 23-129 | |
| | | | BSD | ug/L | 20.00 | 104 % | 23-129 | |
| | | | BSRPD | ug/L | 20.00 | 17.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 120 % | 80-120 | |
| N-Nitrosodi-N-propylamine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 83.1 % | 61-106 | |
| | | | BS | ug/L | 20.00 | 87.9 % | 30-124 | |
| | | | BSD | ug/L | 20.00 | 94.1 % | 30-124 | |
| | | | BSRPD | ug/L | 20.00 | 6.9% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| N-Nitrosodiphenylamine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 54.1 % | 9-136 | |
| | | | BS | ug/L | 20.00 | 54.5 % | 34-127 | |
| | | | BSD | ug/L | 20.00 | 55.8 % | 34-127 | |
| | | | BSRPD | ug/L | 20.00 | 2.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 86.6 % | 80-120 | |
| p-Chloro-m-cresol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 96.1 % | 65-118 | |
| | | | BS | ug/L | 20.00 | 101 % | 35-142 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| p-Chloro-m-cresol | 625 | 09/21/17:211355caa | BSD | ug/L | 20.00 | 109 % | 35-142 | |
| | | | BSRPD | ug/L | 20.00 | 7.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 120 % | 80-120 | |
| Pentachlorophenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 20.00 | 87.9 % | 51-131 | |
| | | | BS | ug/L | 20.00 | 94.6 % | 22-172 | |
| | | | BSD | ug/L | 20.00 | 97.3 % | 22-172 | |
| | | | BSRPD | ug/L | 20.00 | 2.8% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Phenanthrene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 87.7 % | 71-106 | |
| | | | BS | ug/L | 20.00 | 90.2 % | 44-120 | |
| | | | BSD | ug/L | 20.00 | 94.4 % | 44-120 | |
| | | | BSRPD | ug/L | 20.00 | 4.6% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 106 % | 80-120 | |
| Phenol | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 84.7 % | 48-134 | |
| | | | BS | ug/L | 20.00 | 89.0 % | 28-130 | |
| | | | BSD | ug/L | 20.00 | 98.8 % | 28-130 | |
| | | | BSRPD | ug/L | 20.00 | 10.5% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 114 % | 80-120 | |
| Phenol-d6 | 625 | 09/21/17:211355caa | Blank | ug/L | 20.00 | 62.1 % | 26-102 | |
| | | | LCS | ug/L | 20.00 | 64.6 % | 26-102 | |
| | | | BS | ug/L | 20.00 | 66.1 % | 26-102 | |
| | | | BSD | ug/L | 20.00 | 74.6 % | 26-102 | |
| | | | BSRPD | ug/L | 20.00 | 12.1% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 107 % | 80-120 | |
| p-Terphenyl-d14 | 625 | 09/21/17:211355caa | Blank | ug/L | 10.00 | 62.2 % | 29-93 | |
| | | | LCS | ug/L | 10.00 | 60.1 % | 29-93 | |
| | | | BS | ug/L | 10.00 | 60.1 % | 29-93 | |
| | | | BSD | ug/L | 10.00 | 65.2 % | 29-93 | |
| | | | BSRPD | ug/L | 20.00 | 8.2% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 10.00 | 95.1 % | 80-120 | |
| Pyrene | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 20.00 | 88.5 % | 81-101 | |
| | | | BS | ug/L | 20.00 | 90.0 % | 42-120 | |
| | | | BSD | ug/L | 20.00 | 97.0 % | 42-120 | |
| | | | BSRPD | ug/L | 20.00 | 7.4% | ≤30 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 105 % | 80-120 | |
| Pyridine | 625 | 09/21/17:211355caa | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 20.00 | 21.1 % | 0-78 | |
| | | | BS | ug/L | 20.00 | 20.3 % | 0-99 | |
| | | | BSD | ug/L | 20.00 | 48.3 % | 0-99 | |
| | | | BSRPD | ug/L | 20.00 | 5.6 | ≤10 | |
| | 625 | 09/27/17:214621SBL | CCV | mg/L | 20.00 | 122 % | 80-120 | 360 |
| 2,4`-DDD | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| 2,4`-DDE | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 119 % | 70-130 | |
| 2,4`-DDT | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 121 % | 70-130 | |
| Aldrin | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 92.1 % | 0-131 | |
| | | | BS | ug/L | 0.1000 | 30.2 % | 4-108 | |
| | | | BSD | ug/L | 0.1000 | 78.7 % | 4-108 | |
| | | | BSRPD | ug/L | 0.1000 | 89.0% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Alpha BHC | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 95.3 % | 9-125 | |
| | | | BS | ug/L | 0.1000 | 29.7 % | 17-100 | |
| | | | BSD | ug/L | 0.1000 | 53.9 % | 17-100 | |
| | | | BSRPD | ug/L | 0.1000 | 58.0% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| alpha-Chlordane | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 102 % | 14-126 | |
| | | | BS | ug/L | 0.1000 | 33.1 % | 0-135 | |
| | | | BSD | ug/L | 0.1000 | 84.1 % | 0-135 | |
| | | | BSRPD | ug/L | 0.1000 | 86.9% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |
| Beta BHC | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 61.5 % | 13-125 | |
| | | | BS | ug/L | 0.1000 | 6.1 % | 16-123 | 436 |
| | | | BSD | ug/L | 0.1000 | 29.5 % | 16-123 | |
| | | | BSRPD | ug/L | 0.1000 | 0.023 | ≤0.005 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 82.3 % | 70-130 | |
| cis_Nonachlor | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 95.0 % | 10-138 | |
| | | | BS | ug/L | 0.1000 | 31.3 % | 0-120 | |
| | | | BSD | ug/L | 0.1000 | 75.5 % | 0-120 | |
| | | | BSRPD | ug/L | 0.1000 | 82.8% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 110 % | 70-130 | |
| Delta BHC | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 80.1 % | 0-122 | |
| | | | BS | ug/L | 0.1000 | 16.3 % | 0-112 | |
| | | | BSD | ug/L | 0.1000 | 37.5 % | 0-112 | |
| | | | BSRPD | ug/L | 0.1000 | 78.8% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 87.5 % | 70-130 | |
| Dieldrin | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 86.2 % | 19-120 | |
| | | | BS | ug/L | 0.1000 | 33.0 % | 0-121 | |
| | | | BSD | ug/L | 0.1000 | 83.7 % | 0-121 | |
| | | | BSRPD | ug/L | 0.1000 | 86.9% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| Endosulfan I | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 54.5 % | 18-129 | |
| | | | BS | ug/L | 0.1000 | 19.3 % | 0-154 | |
| | | | BSD | ug/L | 0.1000 | 46.5 % | 0-154 | |
| | | | BSRPD | ug/L | 0.1000 | 82.4% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 73.7 % | 70-130 | |
| Endosulfan II | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 93.3 % | 22-128 | |
| | | | BS | ug/L | 0.1000 | 39.6 % | 0-149 | |
| | | | BSD | ug/L | 0.1000 | 69.7 % | 0-149 | |
| | | | BSRPD | ug/L | 0.1000 | 55.1% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 93.9 % | 70-130 | |
| Endosulfan Sulfate | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 105 % | 32-106 | |
| | | | BS | ug/L | 0.1000 | 36.2 % | 4-140 | |
| | | | BSD | ug/L | 0.1000 | 80.4 % | 4-140 | |
| | | | BSRPD | ug/L | 0.1000 | 75.7% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| Endrin | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 105 % | 0-130 | |
| | | | BS | ug/L | 0.1000 | 26.7 % | 7-101 | |
| | | | BSD | ug/L | 0.1000 | 75.4 % | 7-101 | |
| | | | BSRPD | ug/L | 0.1000 | 95.4% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| Endrin Aldehyde | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 122 % | 16-135 | |
| | | | BS | ug/L | 0.1000 | 39.1 % | 0-148 | |
| | | | BSD | ug/L | 0.1000 | 83.0 % | 0-148 | |
| | | | BSRPD | ug/L | 0.1000 | 72.0% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 114 % | 70-130 | |
| Endrin Ketone | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 101 % | 25-121 | |
| | | | BS | ug/L | 0.1000 | 30.4 % | 21-111 | |
| | | | BSD | ug/L | 0.1000 | 59.0 % | 21-111 | |
| | | | BSRPD | ug/L | 0.1000 | 64.1% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 97.6 % | 70-130 | |
| gamma-Chlordane | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 98.0 % | 20-123 | |
| | | | BS | ug/L | 0.1000 | 28.3 % | 1-116 | |
| | | | BSD | ug/L | 0.1000 | 77.9 % | 1-116 | |
| | | | BSRPD | ug/L | 0.1000 | 93.3% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 125 % | 70-130 | |
| Heptachlor | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 86.1 % | 19-119 | |
| | | | BS | ug/L | 0.1000 | 23.6 % | 13-100 | |
| | | | BSD | ug/L | 0.1000 | 65.7 % | 13-100 | |
| | | | BSRPD | ug/L | 0.1000 | 94.4% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| Heptachlor Epoxide | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 104 % | 18-131 | |
| | | | BS | ug/L | 0.1000 | 34.6 % | 0-127 | |
| | | | BSD | ug/L | 0.1000 | 87.0 % | 0-127 | |
| | | | BSRPD | ug/L | 0.1000 | 86.3% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 116 % | 70-130 | |
| Lindane | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 85.0 % | 22-181 | |
| | | | BS | ug/L | 0.1000 | 21.9 % | 0-234 | |
| | | | BSD | ug/L | 0.1000 | 66.8 % | 0-234 | |
| | | | BSRPD | ug/L | 0.1000 | 101% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 96.9 % | 70-130 | |
| Methoxychlor | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 105 % | 26-113 | |
| | | | BS | ug/L | 0.1000 | 29.0 % | 2-107 | |
| | | | BSD | ug/L | 0.1000 | 64.2 % | 2-107 | |
| | | | BSRPD | ug/L | 0.1000 | 75.4% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 124 % | 70-130 | |
| o,p - DDD | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 104 % | 15-136 | |
| | | | BS | ug/L | 0.1000 | 32.2 % | 12-118 | |
| | | | BSD | ug/L | 0.1000 | 82.7 % | 12-118 | |
| | | | BSRPD | ug/L | 0.1000 | 88.0% | ≤25 | 410 |
| o,p - DDE | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Organic** | | | | | | | | |
| o,p - DDE | 625P | 09/20/17:211298caa | LCS | ug/L | 0.1000 | 98.1 % | 23-124 | |
| | | | BS | ug/L | 0.1000 | 29.3 % | 0-108 | |
| | | | BSD | ug/L | 0.1000 | 79.5 % | 0-108 | |
| | | | BSRPD | ug/L | 0.1000 | 92.3% | ≤25 | 410 |
| o,p - DDT | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 109 % | 27-131 | |
| | | | BS | ug/L | 0.1000 | 39.6 % | 0-124 | |
| | | | BSD | ug/L | 0.1000 | 103 % | 0-124 | |
| | | | BSRPD | ug/L | 0.1000 | 89.3% | ≤25 | 410 |
| p,p - DDD | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 97.7 % | 70-130 | |
| p,p - DDE | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 118 % | 70-130 | |
| p,p - DDT | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 111 % | 70-130 | |
| p,p`-DDD | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 95.5 % | 0-177 | |
| | | | BS | ug/L | 0.1000 | 28.8 % | 17-107 | |
| | | | BSD | ug/L | 0.1000 | 65.7 % | 17-107 | |
| | | | BSRPD | ug/L | 0.1000 | 78.2% | ≤25 | 410 |
| p,p`-DDE | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 87.6 % | 23-126 | |
| | | | BS | ug/L | 0.1000 | 30.6 % | 2-107 | |
| | | | BSD | ug/L | 0.1000 | 76.0 % | 2-107 | |
| | | | BSRPD | ug/L | 0.1000 | 85.2% | ≤25 | 410 |
| p,p`-DDT | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 89.6 % | 32-108 | |
| | | | BS | ug/L | 0.1000 | 19.8 % | 0-128 | |
| | | | BSD | ug/L | 0.1000 | 50.1 % | 0-128 | |
| | | | BSRPD | ug/L | 0.1000 | 86.7% | ≤25 | 410 |
| Tetrachloro-m-xylene | 625P | 09/20/17:211298caa | Blank | ug/L | 0.1000 | 57.4 % | 26-90 | |
| | | | LCS | ug/L | 0.1000 | 73.8 % | 26-90 | |
| | | | BS | ug/L | 0.1000 | 25.0 % | 26-90 | 436 |
| | | | BSD | ug/L | 0.1000 | 50.5 % | 26-90 | |
| | | | BSRPD | ug/L | 0.1000 | 67.6% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 126 % | 70-130 | |
| trans-Nonachlor | 625P | 09/20/17:211298caa | Blank | ug/L | | ND | <0.005 | |
| | | | LCS | ug/L | 0.1000 | 107 % | 9-139 | |
| | | | BS | ug/L | 0.1000 | 34.4 % | 0-120 | |
| | | | BSD | ug/L | 0.1000 | 82.1 % | 0-120 | |
| | | | BSRPD | ug/L | 0.1000 | 81.8% | ≤25 | 410 |
| | 625P | 09/23/17:214486SG | CCV | ug/L | 100.0 | 123 % | 70-130 | |

**Definition**

| | |
|---|---|
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Organic

| **Definition** | |
|---|---|
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

| **Explanation** | |
|---|---|
| 360 | : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 362 | : Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. |
| 410 | : Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |
| 436 | : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. |

October 17, 2017 Lab ID : SP 1711294
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## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Boron | 200.7 | | MS | mg/L | 4.000 | 113 % | 75-125 | |
| | | (SP 1711294-005) | MSD | mg/L | 4.000 | 111 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.4% | ≤20.0 | |
| | 200.7 | 10/05/17:215039AC | CCV | ppm | 5.000 | 103 % | 90-110 | |
| | | | CCB | ppm | | 0.030 | 0.1 | |
| | | | CCV | ppm | 5.000 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.040 | 0.1 | |
| Calcium | 200.7 | | MS | mg/L | 12.00 | 66.2 % | <¼ | |
| | | (SP 1711294-005) | MSD | mg/L | 12.00 | 67.7 % | <¼ | |
| | | | MSRPD | mg/L | 4000 | 0.1% | ≤20.0 | |
| | 200.7 | 10/05/17:215039AC | CCV | ppm | 25.00 | 101 % | 90-110 | |
| | | | CCB | ppm | | 0.004 | 1 | |
| | | | CCV | ppm | 25.00 | 106 % | 90-110 | |
| | | | CCB | ppm | | 0.01 | 1 | |
| Copper | 200.7 | | MS | ug/L | 800.0 | 116 % | 75-125 | |
| | | (SP 1711294-005) | MSD | ug/L | 800.0 | 112 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.3% | ≤20.0 | |
| | 200.7 | 10/05/17:215039AC | CCV | ppm | 1.000 | 102 % | 90-110 | |
| | | | CCB | ppm | | 0.0002 | 0.01 | |
| | | | CCV | ppm | 1.000 | 105 % | 90-110 | |
| | | | CCB | ppm | | -0.00009 | 0.01 | |
| Iron | 200.7 | | MS | ug/L | 4000 | 111 % | 75-125 | |
| | | (SP 1711294-005) | MSD | ug/L | 4000 | 109 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 1.7% | ≤20.0 | |
| | 200.7 | 10/05/17:215039AC | CCV | ppm | 5.000 | 104 % | 90-110 | |
| | | | CCB | ppm | | 0.0066 | 0.03 | |
| | | | CCV | ppm | 5.000 | 105 % | 90-110 | |
| | | | CCB | ppm | | 0.0081 | 0.03 | |
| Magnesium | 200.7 | | MS | mg/L | 12.00 | 61.8 % | <¼ | |
| | | (SP 1711294-005) | MSD | mg/L | 12.00 | 64.0 % | <¼ | |
| | | | MSRPD | mg/L | 4000 | 0.2% | ≤20.0 | |
| | 200.7 | 10/05/17:215039AC | CCV | ppm | 25.00 | 99.4 % | 90-110 | |
| | | | CCB | ppm | | 0.004 | 1 | |
| | | | CCV | ppm | 25.00 | 104 % | 90-110 | |
| | | | CCB | ppm | | 0.001 | 1 | |
| Manganese | 200.7 | | MS | ug/L | 800.0 | 117 % | 75-125 | |
| | | (SP 1711294-005) | MSD | ug/L | 800.0 | 113 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 3.2% | ≤20.0 | |
| | 200.7 | 10/05/17:215039AC | CCV | ppm | 1.000 | 105 % | 90-110 | |
| | | | CCB | ppm | | 0.00006 | 0.01 | |
| | | | CCV | ppm | 1.000 | 108 % | 90-110 | |
| | | | CCB | ppm | | 0.00003 | 0.01 | |
| Potassium | 200.7 | | MS | mg/L | 12.00 | 122 % | 75-125 | |
| | | (SP 1711294-005) | MSD | mg/L | 12.00 | 119 % | 75-125 | |
| | | | MSRPD | mg/L | 4000 | 1.9% | ≤20.0 | |
| | 200.7 | 10/05/17:215039AC | CCV | ppm | 25.00 | 100 % | 90-110 | |
| | | | CCB | ppm | | 0.009 | 1 | |
| | | | CCV | ppm | 25.00 | 105 % | 90-110 | |
| | | | CCB | ppm | | -0.01 | 1 | |
| Sodium | 200.7 | | MS | mg/L | 12.00 | 71.9 % | <¼ | |
| | | (SP 1711294-005) | MSD | mg/L | 12.00 | 74.3 % | <¼ | |
| | | | MSRPD | mg/L | 4000 | 0.1% | ≤20.0 | |
| | 200.7 | 10/05/17:215039AC | CCV | ppm | 25.00 | 97.7 % | 90-110 | |
| | | | CCB | ppm | | 0.05 | 1 | |
| | | | CCV | ppm | 25.00 | 103 % | 90-110 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Sodium | 200.7 | 10/05/17:215039AC | CCB | ppm | | 0.20 | 1 | |
| Zinc | 200.7 | (SP 1711294-005) | MS | ug/L | 800.0 | 86.4 % | 75-125 | |
| | | | MSD | ug/L | 800.0 | 84.0 % | 75-125 | |
| | | | MSRPD | ug/L | 4000 | 2.9% | ≤20.0 | |
| | 200.7 | 10/06/17:215064AC | CCV | ppm | 1.000 | 101 % | 90-110 | |
| | | | CCB | ppm | | -0.001 | 0.02 | |
| | | | CCV | ppm | 1.000 | 101 % | 90-110 | |
| | | | CCB | ppm | | -0.0007 | 0.02 | |
| Aluminum | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | -0.1 | 10 | |
| | | | CCV | ppb | 120.0 | 96.4 % | 90-110 | |
| | | | CCB | ppb | | 0.007 | 10 | |
| Antimony | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.17 | 1 | |
| | | | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.21 | 1 | |
| Arsenic | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 112 % | 90-110 | 360 |
| | | | CCB | ppb | | -0.001 | 2 | |
| | | | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.001 | 2 | |
| Barium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.018 | 0.2 | |
| | | | CCV | ppb | 120.0 | 103 % | 90-110 | |
| | | | CCB | ppb | | 0.059 | 0.2 | |
| Beryllium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 111 % | 90-110 | 360 |
| | | | CCB | ppb | | -0.020 | 0.2 | |
| | | | CCV | ppb | 120.0 | 99.5 % | 90-110 | |
| | | | CCB | ppb | | -0.015 | 0.2 | |
| Cadmium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 110 % | 90-110 | |
| | | | CCB | ppb | | 0.006 | 0.2 | |
| | | | CCV | ppb | 120.0 | 107 % | 90-110 | |
| | | | CCB | ppb | | 0.031 | 0.2 | |
| Chromium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 108 % | 90-110 | |
| | | | CCB | ppb | | 0.006 | 1 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | -0.004 | 1 | |
| Copper | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 110 % | 90-110 | |
| | | | CCB | ppb | | 0.040 | 0.5 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.094 | 0.5 | |
| Lead | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | -0.043 | 0.5 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.029 | 0.5 | |
| Nickel | 200.8 | 09/20/17:214239AC | CCV | ppb | 120.0 | 99.4 % | 90-110 | |
| | | | CCB | ppb | | 0.008 | 1 | |
| | | | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.008 | 1 | |
| Selenium | 200.8 | 09/20/17:214239AC | CCV | ppb | 120.0 | 101 % | 90-110 | |
| | | | CCB | ppb | | 0.07 | 1 | |
| | | | CCV | ppb | 120.0 | 108 % | 90-110 | |
| | | | CCB | ppb | | 0.06 | 1 | |
| Silver | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 104 % | 90-110 | |
| | | | CCB | ppb | | 0.0040 | 0.25 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Silver | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 100 % | 90-110 | |
| | | | CCB | ppb | | 0.0280 | 0.25 | |
| Thallium | 200.8 | 09/19/17:214164AC | CCV | ppb | 120.0 | 105 % | 90-110 | |
| | | | CCB | ppb | | 0.004 | 0.2 | |
| | | | CCV | ppb | 120.0 | 102 % | 90-110 | |
| | | | CCB | ppb | | 0.037 | 0.2 | |
| Mercury | 245.1 | 09/29/17:211748ac | Blank | ug/L | | ND | <0.01 | |
| | | | LCS | ug/L | 0.2000 | 99.4 % | 85-115 | |
| | | | MS | ug/L | 0.2000 | 93.5 % | 75-125 | |
| | | (SP 1711091-001) | MSD | ug/L | 0.2000 | 95.8 % | 75-125 | |
| | | | MSRPD | ug/L | 0.2000 | 2.4% | ≤20 | |
| | 245.1 | 09/29/17:214696AC | CCV | ppt | 200.0 | 106 % | 90-110 | |
| | | | CCB | ppt | | -6.7 | 20 | |
| | | | CCV | ppt | 200.0 | 106 % | 90-110 | |
| | | | CCB | ppt | | -6.7 | 20 | |
| Aluminum | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <10 | |
| | | | LCS | ug/L | 40.00 | 100 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 68.8 % | 75-125 | 435 |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 93.3 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 10.8% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 85.0 % | 75-125 | |
| Antimony | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 104 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 104 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 101 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.8% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 102 % | 75-125 | |
| Arsenic | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 88.3 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 87.9 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 0.4% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 88.3 % | 75-125 | |
| Barium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 111 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 110 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 5.1% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 109 % | 75-125 | |
| Beryllium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 98.4 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 87.4 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 89.1 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.0% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 88.3 % | 75-125 | |
| Cadmium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 114 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 101 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.5 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.1% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 99.1 % | 75-125 | |
| Chromium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Chromium | 3010 | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.7 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 98.6 % | 75-125 | |
| Copper | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 108 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 97.3 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 95.7 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 95.8 % | 75-125 | |
| Lead | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 104 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 101 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.5% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 101 % | 75-125 | |
| Nickel | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <1 | |
| | | | LCS | ug/L | 40.00 | 110 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 100 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 98.8 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 1.6% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 99.2 % | 75-125 | |
| Selenium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 40.00 | 108 % | 80-120 | |
| | | | MS | ug/L | 40.00 | 85.1 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 84.5 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 0.7% | ≤20 | |
| | | | PDS | ug/L | 40.00 | 85.1 % | 75-125 | |
| Silver | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.25 | |
| | | | LCS | ug/L | 40.00 | 107 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 94.1 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 91.6 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.7% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 92.3 % | 75-125 | |
| Thallium | 3010 | 09/18/17:211156amb | Blank | ug/L | | ND | <0.2 | |
| | | | LCS | ug/L | 40.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 40.00 | 103 % | 75-125 | |
| | | (CC 1783488-001) | MSD | ug/L | 40.00 | 100 % | 75-125 | |
| | | | MSRPD | ug/L | 40.00 | 2.6% | ≤20.0 | |
| | | | PDS | ug/L | 40.00 | 101 % | 75-125 | |
| **Wet Chem** | | | | | | | | |
| Oil and Grease | 1664A | 09/25/17:211483AMM | Blank | mg/L | | ND | <3 | |
| | | | LCS | mg/L | 44.89 | 94.3 % | 78-114 | |
| | | | BS | mg/L | 44.89 | 81.2 % | 78-114 | |
| | | | BSD | mg/L | 44.89 | 84.0 % | 78-114 | |
| | | | BSRPD | mg/L | 44.89 | 3.4% | ≤18 | |
| Color | 2120B | (SP 1711220-006) | Dup | units | | 0.0 | 5 | |
| | 2120B | 09/16/17:213960jmg | CCB | units | | 0.00 | 5.0 | |
| | | | CCV | units | 10.00 | 100 % | 90-110 | |
| Turbidity | 2130B | (SP 1711294-005) | Dup | NTU | | 0.0010 | 0.1 | |
| | 2130B | 09/16/17:213948AMB | CCV | NTU | 10.00 | 100 % | 90-110 | |
| | | | CCB | NTU | | 0.084 | 0.1 | |
| | | | CCV | NTU | 10.00 | 100 % | 90-110 | |
| | | | CCB | NTU | | 0.087 | 0.1 | |
| Odor | 2150B | (SP 1711294-005) | Dup | TON | | 0.0 | 1 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Chromium VI | 218.6 | 09/18/17:211232JDD | Blank | ug/L | | ND | <0.1 | |
| | | | LCS | ug/L | 2.000 | 100 % | 90-110 | |
| | | | MS | ug/L | 2.000 | 78.2 % | 75-125 | |
| | | (STK1751572-001) | MSD | ug/L | 2.000 | 92.9 % | 75-125 | |
| | | | MSRPD | ug/L | 2.000 | 2.8% | ≤20 | |
| | | | MS | ug/L | 2.000 | 104 % | 75-125 | |
| | | (CH 1777845-001) | MSD | ug/L | 2.000 | 106 % | 75-125 | |
| | | | MSRPD | ug/L | 2.000 | 1.8% | ≤20 | |
| | 218.6 | 09/18/17:214067JDD | CCB | ppb | | 0.000 | 0.1 | |
| | | | CCV | ppb | 5.000 | 102 % | 95-105 | |
| | | | CCB | ppb | | 0.000 | 0.1 | |
| | | | CCV | ppb | 5.000 | 101 % | 95-105 | |
| Alkalinity (as CaCO3) | 2320B | (CH 1778099-001) | Dup | mg/L | | 7.9% | 10 | |
| | 2320B | 09/19/17:214076AMB | CCV | mg/L | 234.9 | 92.7 % | 90-110 | |
| | | | CCV | mg/L | 234.9 | 95.2 % | 90-110 | |
| Bicarbonate | 2320B | (CH 1778099-001) | Dup | mg/L | | 7.7% | 10 | |
| Carbonate | 2320B | (CH 1778099-001) | Dup | mg/L | | 0.0 | 10 | |
| Hydroxide | 2320B | (CH 1778099-001) | Dup | mg/L | | 0.0 | 10 | |
| Conductivity | 2510B | 09/16/17:213955JMG | ICB | umhos/cm | | 0.50 | 1 | |
| | | | CCV | umhos/cm | 998.0 | 104 % | 95-105 | |
| | | | CCV | umhos/cm | 998.0 | 100 % | 95-105 | |
| E. C. | 2510B | 09/16/17:211143jmg | Blank | umhos/cm | | ND | <1 | |
| | | (SP 1711292-001) | Dup | umhos/cm | | 0.1% | 5 | |
| Total Dissolved Solids (TFR) | 2540CE | 09/19/17:211250CTL | Blank | mg/L | | ND | <20 | |
| | | | LCS | mg/L | 997.3 | 96.4 % | 90-110 | |
| | | (SP 1711253-001) | Dup | mg/L | | 1.4% | 5 | |
| | | (SP 1711253-002) | Dup | mg/L | | 2.5% | 5 | |
| Solids, Suspended | 2540D | 09/21/17:211390jba | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 50.14 | 101 % | 61-112 | |
| | | | LCS | mg/L | 50.14 | 97.7 % | 61-112 | |
| | | (VI 1744872-001) | Dup | mg/L | | 0.0% | 20 | |
| | | (VI 1744872-003) | Dup | mg/L | | 0.0% | 20 | |
| Chloride | 300.0 | 09/15/17:211341mca | Blank | mg/L | | ND | <1 | |
| | | | LCS | mg/L | 25.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 50.00 | 95.3 % | 85-121 | |
| | | (SP 1711221-001) | MSD | mg/L | 50.00 | 96.0 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 0.5% | ≤19 | |
| | | | MS | mg/L | 50.00 | 99.2 % | 85-121 | |
| | | (VI 1744808-001) | MSD | mg/L | 50.00 | 97.1 % | 85-121 | |
| | | | MSRPD | mg/L | 10.00 | 1.4% | ≤19 | |
| | 300.0 | 09/16/17:214206MCA | CCB | mg/L | | 0.12 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.00 | 1 | |
| | | | CCV | mg/L | 25.00 | 107 % | 90-110 | |
| Fluoride | 300.0 | 09/15/17:211341mca | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 2.500 | 107 % | 90-110 | |
| | | | MS | mg/L | 5.000 | 102 % | 87-120 | |
| | | (SP 1711221-001) | MSD | mg/L | 5.000 | 102 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 0.6% | ≤16 | |
| | | | MS | mg/L | 5.000 | 107 % | 87-120 | |
| | | (VI 1744808-001) | MSD | mg/L | 5.000 | 104 % | 87-120 | |
| | | | MSRPD | mg/L | 10.00 | 1.9% | ≤16 | |
| | 300.0 | 09/15/17:214206MCA | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 107 % | 90-110 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Fluoride | 300.0 | 09/15/17:214206MCA | CCB | mg/L | | 0.000 | 0.1 | |
| | | | CCV | mg/L | 2.500 | 107 % | 90-110 | |
| Nitrate | 300.0 | 09/15/17:211341mca | Blank | mg/L | | ND | <1.8 | |
| | | | LCS | mg/L | 20.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 40.00 | 103 % | 85-119 | |
| | | (SP 1711221-001) | MSD | mg/L | 40.00 | 103 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 0.4% | ≤19 | |
| | | | MS | mg/L | 40.00 | 90.4 % | 85-119 | |
| | | (VI 1744808-001) | MSD | mg/L | 40.00 | 88.7 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 0.9% | ≤19 | |
| | 300.0 | 09/15/17:214206MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 108 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 107 % | 90-110 | |
| Nitrite | 300.0 | 09/15/17:211341mca | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 15.00 | 107 % | 90-110 | |
| | | | MS | mg/L | 30.00 | 102 % | 74-126 | |
| | | (SP 1711221-001) | MSD | mg/L | 30.00 | 103 % | 74-126 | |
| | | | MSRPD | mg/L | 10.00 | 0.8% | ≤20 | |
| | | | MS | mg/L | 30.00 | 107 % | 74-126 | |
| | | (VI 1744808-001) | MSD | mg/L | 30.00 | 105 % | 74-126 | |
| | | | MSRPD | mg/L | 10.00 | 1.9% | ≤20 | |
| | 300.0 | 09/15/17:214206MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 15.00 | 107 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 15.00 | 107 % | 90-110 | |
| Sulfate | 300.0 | 09/15/17:211341mca | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 50.00 | 109 % | 90-110 | |
| | | | MS | mg/L | 100.0 | 95.7 % | 82-124 | |
| | | (SP 1711221-001) | MSD | mg/L | 100.0 | 96.4 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 0.6% | ≤23 | |
| | | | MS | mg/L | 100.0 | 103 % | 82-124 | |
| | | (VI 1744808-001) | MSD | mg/L | 100.0 | 101 % | 82-124 | |
| | | | MSRPD | mg/L | 10.00 | 1.5% | ≤23 | |
| | 300.0 | 09/16/17:214206MCA | CCB | mg/L | | 0.404 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| | | | CCB | mg/L | | 0.155 | 0.5 | |
| | | | CCV | mg/L | 50.00 | 108 % | 90-110 | |
| Perchlorate | 314.0 | 09/22/17:211692MCA | Blank | ug/L | | ND | <2 | |
| | | | LCS | ug/L | 25.00 | 109 % | 85-115 | |
| | | | MS | ug/L | 25.00 | 90.6 % | 80-120 | |
| | | (SP 1711393-001) | MSD | ug/L | 25.00 | 91.1 % | 80-120 | |
| | | | MSRPD | ug/L | 25.00 | 0.6% | ≤15 | |
| | 314.0 | 09/23/17:214659MCA | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 103 % | 85-115 | |
| | | | CCB | ppb | | 0.00 | 2.0 | |
| | | | CCV | ppb | 10.00 | 109 % | 85-115 | |
| Nitrogen, Total Kjeldahl | 351.2 | 09/29/17:211714jmg | Blank | mg/L | | ND | <0.5 | |
| | | | LCS | mg/L | 12.00 | 84.6 % | 80-120 | |
| | | | MS | mg/L | 12.00 | 36.6 % | 54-136 | 435 |
| | | (STK1751994-001) | MSD | mg/L | 12.00 | 26.8 % | 54-136 | 435 |
| | | | MSRPD | mg/L | 12.00 | 30.7% | ≤25 | 435 |
| Chlorine | 4500ClG | 09/19/17:214094AMM | CCV | mg/L | 0.9937 | 109 % | 90-110 | |
| | | | CCB | mg/L | | -0.019 | 0.1 | |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Chlorine | 4500ClG | 09/19/17:214094AMM | CCV | mg/L | 0.9937 | 106 % | 90-110 | |
| | | | CCB | mg/L | | -0.019 | 0.1 | |
| Chlorine, Residual | 4500ClG | (CC 1783088-001) | Dup | mg/L | | 0.0 | 0.1 | |
| Cyanide | 4500CNCE | 09/26/17:214478AMM | CCV | mg/L | 0.1000 | 105 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| | | | CCV | mg/L | 0.1000 | 103 % | 90-110 | |
| | | | CCB | mg/L | | -0.00102 | 0.004 | |
| Cyanide, Total | 4500CNCE | 09/25/17:211482AMM | Blank | mg/L | | ND | <0.004 | |
| | | | LCS | mg/L | 0.1000 | 97.8 % | 90-110 | |
| | | | LCS | mg/L | 0.4000 | 103 % | 90-110 | |
| | | | MS | mg/L | 0.05000 | 137 % | 26-226 | |
| | | (STK1751728-001) | MSD | mg/L | 0.05000 | 135 % | 26-226 | |
| | | | MSRPD | mg/L | 0.05000 | 0.8% | ≤36 | |
| Ammonia Nitrogen | 4500NH3G | | MS | mg/L | 2.000 | 110 % | 70-130 | |
| | | (SP 1711327-002) | MSD | mg/L | 2.000 | 114 % | 70-130 | |
| | | | MSRPD | mg/L | 2.000 | 3.7% | ≤20 | |
| | 4500NH3G | 09/19/17:214057AMB | CCB | mg/L | | -0.021 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 97.0 % | 90-110 | |
| | | | CCB | mg/L | | -0.195 | 0.2 | |
| | | | CCV | mg/L | 2.000 | 98.4 % | 90-110 | |
| Phosphorus | 4500-P B | 09/25/17:211523sjn | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 97.4 % | 90-116 | |
| | | | MS | mg/L | 0.2800 | 80.0 % | 25-292 | |
| | | (CC 1783468-001) | MSD | mg/L | 0.2800 | 71.0 % | 25-292 | |
| | | | MSRPD | mg/L | 0.2800 | 2.8% | ≤13.2 | |
| Total Phosphorus | 4500PE | 09/25/17:214428SJN | CCB | mg/L | | -0.002 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 96.3 % | 90-110 | |
| | | | CCB | mg/L | | -0.01 | 0.1 | |
| | | | CCV | mg/L | 0.5000 | 101 % | 90-110 | |
| BOD | 5210B | 09/15/17:211111KMM | RgBlk | mg/L | | 0.01 | 2 | |
| | | | LCS | mg/L | 198.0 | 108 % | 84.6-115 | |
| | | (CH 1777661-001) | Dup | mg/L | | 7.6% | 15.9 | |
| | | (CH 1777661-001) | Dup | mg/L | | 8.7% | 15.9 | |
| | 5210B | 09/21/17:214259kmm | CCV | mg/L | 1.000 | 102 % | 80-120 | |
| | | | CCV | mg/L | 1.000 | 102 % | 80-120 | |
| MBAS | 5540C | 09/16/17:214000AMM | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 107 % | 90-110 | |
| | | | CCB | mg/L | | -0.0491 | 0.25 | |
| | | | CCV | mg/L | 1.000 | 107 % | 90-110 | |
| MBAS Extraction | 5540C | 09/16/17:211191AMM | Blank | mg/L | | ND | <0.1 | |
| | | | LCS | mg/L | 0.5000 | 110 % | 86-114 | |
| | | | BS | mg/L | 0.5000 | 110 % | 86-114 | |
| | | | BSD | mg/L | 0.5000 | 109 % | 86-114 | |
| | | | BSRPD | mg/L | 0.5000 | 0.4% | ≤5 | |
| Nitrogen, Total Kjeldahl | EPA351.2 | 09/29/17:214726AMB | ICB | mg/L | | 0.000 | 0.5 | |
| | | | ICV | mg/L | 5.000 | 90.7 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 5.000 | 101 % | 90-110 | |

**Definition**

PDS : PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery.
ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| **Definition** | |
|---|---|
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| RgBlk | : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| Dup | : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| <¼ | : High Sample Background - Spike concentration was less than one forth of the sample concentration. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |

| **Explanation** | |
|---|---|
| 360 | : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Radio

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Radio** | | | | | | | | |
| Alpha | 900.0 | 10/06/17:215190aat | CCV | cpm | 8678 | 41.7 % | 35-47 | |
| | | | CCB | cpm | | 0.1200 | 0.18 | |
| Beta | 900.0 | 10/06/17:215190aat | CCV | cpm | 8678 | 88.6 % | 83-94 | |
| | | | CCB | cpm | | 0.3200 | 0.48 | |
| Gross Alpha | 900.0 | 10/04/17:211932aat | Blank | pCi/L | | 0.41 | 3 | |
| | | | LCS | pCi/L | 107.8 | 104 % | 75-125 | |
| | | | MS | pCi/L | 107.8 | 110 % | 60-140 | |
| | | (SP 1711265-001) | MSD | pCi/L | 107.8 | 103 % | 60-140 | |
| | | | MSRPD | pCi/L | 107.8 | 6.8% | ≤30 | |
| Gross Beta | 900.0 | 10/04/17:211932aat | Blank | pCi/L | | 1.75 | 4 | |
| | | | LCS | pCi/L | 71.22 | 131 % | 84-160 | |
| | | | MS | pCi/L | 71.22 | 153 % | 80-130 | 435 |
| | | (SP 1711265-001) | MSD | pCi/L | 71.22 | 133 % | 80-130 | 435 |
| | | | MSRPD | pCi/L | 107.8 | 13.9% | ≤30 | |
| Alpha | 903.0 | 10/02/17:215049aat | CCV | cpm | 8307 | 40.7 % | 37-46 | |
| | | | CCB | cpm | | 0.0600 | 0.16 | |
| Total Alpha Radium (226) | 903.0 | 09/26/17:211575emv | RgBlk | pCi/L | | 0.03 | 2 | |
| | | | LCS | pCi/L | 21.85 | 66.9 % | 52-107 | |
| | | | BS | pCi/L | 21.85 | 60.1 % | 43-111 | |
| | | | BSD | pCi/L | 21.85 | 70.1 % | 43-111 | |
| | | | BSRPD | pCi/L | 21.85 | 15.4% | ≤35.5 | |
| Tritium | 906.0 | 09/23/17:211448elc | Blank | pCi/L | | -18 | <300 | |
| | | | LCS | pCi/L | 1650 | 93.9 % | 75-125 | |
| | | | BS | pCi/L | 1650 | 87.2 % | 75-125 | |
| | | | BSD | pCi/L | 1650 | 87.3 % | 75-125 | |
| | | | BSRPD | pCi/L | 1650 | 1.7 | ≤300 | |
| | 906.0 | 09/24/17:214417elc | CCV | pCi/L | 28420 | 104 % | 90-110 | |
| | | | CCB | pCi/L | | 316 | 500 | |
| Alpha | 908.0 | 10/17/17:215693AAT | CCV | cpm | 8297 | 40.4 % | 36-45 | |
| | | | CCB | cpm | | 0.1200 | 0.16 | |
| Uranium | 908.0 | 10/12/17:212329rmm | RgBlk | pCi/L | | 0.15 | 1 | |
| | | | LRS | pCi/L | 21.48 | 93.0 % | 54-105 | |
| | | | BS | pCi/L | 21.48 | 89.0 % | 75-125 | |
| | | | BSD | pCi/L | 21.48 | 86.5 % | 75-125 | |
| | | | BSRPD | pCi/L | 21.48 | 2.8% | ≤20 | |
| Beta | Ra - 05 | 10/10/17:215471emv | CCV | cpm | 8675 | 89.3 % | 84-94 | |
| | | | CCB | cpm | | 0.4000 | 0.58 | |
| Ra 228 | Ra - 05 | 09/30/17:211715emv | RgBlk | pCi/L | | -0.03 | 3 | |
| | | | LRS | pCi/L | 36.22 | 77.9 % | 65-108 | |
| | | | BS | pCi/L | 36.22 | 98.4 % | 75-125 | |
| | | | BSD | pCi/L | 36.22 | 97.8 % | 75-125 | |
| | | | BSRPD | pCi/L | 36.22 | 0.7% | ≤25 | |

**Definition**

| | |
|---|---|
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| RgBlk | : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| LRS | : Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| BS | : Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |

October 17, 2017 Lab ID : SP 1711294
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Radio

| | |
|---|---|
| **Definition** | |
| BSD | : Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| BSRPD | : BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |
| **Explanation** | |
| 435 | : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. |

September 28, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711294**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Bromate,Chlorite, Low-Level

Please note that this analysis was performed by Test America - Irvine (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-28

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-192432-1
Client Project/Site: SP 1711294 - (2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

*Authorized for release by:*
*9/28/2017 10:53:43 AM*

Janice Hsu, Project Manager I
(949)261-1022
janice.hsu@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 2
Sample Summary . . . . . 3
Case Narrative . . . . . 4
Client Sample Results . . . . . 5
Method Summary . . . . . 6
Lab Chronicle . . . . . 7
QC Sample Results . . . . . 8
QC Association Summary . . . . . 10
Definitions/Glossary . . . . . 11
Certification Summary . . . . . 12
Chain of Custody . . . . . 13
Receipt Checklists . . . . . 14

# Sample Summary

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 440-192432-1 | MCWP-04D | Water | 09/15/17 11:40 | 09/19/17 09:00 |

## Job ID: 440-192432-1

### Laboratory: TestAmerica Irvine

**Narrative**

**Job Narrative**
**440-192432-1**

**Comments**
No additional comments.

**Receipt**
The sample was received on 9/19/2017 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

**HPLC/IC**
Method(s) 300.1B: The following sample was diluted for the bromate analyte due to the nature of the sample matrix: MCWP-04D (440-192432-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

**Client Sample ID: MCWP-04D**
**Date Collected: 09/15/17 11:40**
**Date Received: 09/19/17 09:00**

**Lab Sample ID: 440-192432-1**
**Matrix: Water**

**Method: 300.1B - Disinfection By-Products, (IC)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 25 | 13 | ug/L | | | 09/21/17 16:29 | 5 |
| Chlorite | ND | | 20 | | ug/L | | | 09/21/17 15:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *94* | | *90 - 115* | | *09/21/17 15:53* | *1* |
| *Dichloroacetic acid(Surr)* | *97* | | *90 - 115* | | *09/21/17 16:29* | *5* |

# Method Summary

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 300.1B | Disinfection By-Products, (IC) | EPA | TAL IRV |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

# Lab Chronicle

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

**Client Sample ID: MCWP-04D**
**Date Collected: 09/15/17 11:40**
**Date Received: 09/19/17 09:00**

**Lab Sample ID: 440-192432-1**
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 300.1B | | 1 | | | 430350 | 09/21/17 15:53 | YZ | TAL IRV |
| Total/NA | Analysis | 300.1B | | 5 | | | 430349 | 09/21/17 16:29 | YZ | TAL IRV |

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

## Method: 300.1B - Disinfection By-Products, (IC)

**Lab Sample ID: MB 440-430349/5**
**Matrix: Water**
**Analysis Batch: 430349**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 5.0 | 2.5 | ug/L | | | 09/21/17 14:40 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *97* | | *90 - 115* | | *09/21/17 14:40* | *1* |

**Lab Sample ID: LCS 440-430349/4**
**Matrix: Water**
**Analysis Batch: 430349**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | | | 25.0 | 26.3 | | ug/L | | 105 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *96* | | *90 - 115* |

**Lab Sample ID: MRL 440-430349/3**
**Matrix: Water**
**Analysis Batch: 430349**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | | | 5.00 | 4.50 | J | ug/L | | 90 | 50 - 150 | | |

| *Surrogate* | *MRL %Recovery* | *MRL Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* |

**Lab Sample ID: 440-192395-A-3 MS**
**Matrix: Water**
**Analysis Batch: 430349**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 50.0 | 59.9 | | ug/L | | 120 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *96* | | *90 - 115* |

**Lab Sample ID: 440-192395-A-3 MSD**
**Matrix: Water**
**Analysis Batch: 430349**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromate | ND | | 50.0 | 58.5 | | ug/L | | 117 | 75 - 125 | 2 | 25 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *96* | | *90 - 115* |

## Method: 300.1B - Disinfection By-Products, (IC) (Continued)

**Lab Sample ID: MB 440-430350/5**
**Matrix: Water**
**Analysis Batch: 430350**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chlorite | ND | | 20 | | ug/L | | | 09/21/17 14:40 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *97* | | *90 - 115* | | *09/21/17 14:40* | *1* |

**Lab Sample ID: LCS 440-430350/4**
**Matrix: Water**
**Analysis Batch: 430350**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Chlorite | 100 | 105 | | ug/L | | 105 | 85 - 115 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *96* | | *90 - 115* |

**Lab Sample ID: MRL 440-430350/3**
**Matrix: Water**
**Analysis Batch: 430350**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|
| Chlorite | 20.0 | ND | | ug/L | | 99 | 10 - 200 |

| *Surrogate* | *MRL %Recovery* | *MRL Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *100* | | *90 - 115* |

**Lab Sample ID: 440-192395-A-3 MS**
**Matrix: Water**
**Analysis Batch: 430350**

**Client Sample ID: Matrix Spike**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chlorite | 120 | | 200 | 308 | | ug/L | | 95 | 75 - 125 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *96* | | *90 - 115* |

**Lab Sample ID: 440-192395-A-3 MSD**
**Matrix: Water**
**Analysis Batch: 430350**

**Client Sample ID: Matrix Spike Duplicate**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorite | 120 | | 200 | 335 | | ug/L | | 109 | 75 - 125 | 8 | 25 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Dichloroacetic acid(Surr)* | *96* | | *90 - 115* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

## HPLC/IC

### Analysis Batch: 430349

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 440-192432-1 | MCWP-04D | Total/NA | Water | 300.1B | |
| MB 440-430349/5 | Method Blank | Total/NA | Water | 300.1B | |
| LCS 440-430349/4 | Lab Control Sample | Total/NA | Water | 300.1B | |
| MRL 440-430349/3 | Lab Control Sample | Total/NA | Water | 300.1B | |
| 440-192395-A-3 MS | Matrix Spike | Total/NA | Water | 300.1B | |
| 440-192395-A-3 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.1B | |

### Analysis Batch: 430350

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 440-192432-1 | MCWP-04D | Total/NA | Water | 300.1B | |
| MB 440-430350/5 | Method Blank | Total/NA | Water | 300.1B | |
| LCS 440-430350/4 | Lab Control Sample | Total/NA | Water | 300.1B | |
| MRL 440-430350/3 | Lab Control Sample | Total/NA | Water | 300.1B | |
| 440-192395-A-3 MS | Matrix Spike | Total/NA | Water | 300.1B | |
| 440-192395-A-3 MSD | Matrix Spike Duplicate | Total/NA | Water | 300.1B | |

## Qualifiers

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

## Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|---|---|---|---|---|
| Alaska | State Program | 10 | CA01531 | 06-30-18 |
| Arizona | State Program | 9 | AZ0671 | 10-14-17 * |
| California | LA Cty Sanitation Districts | 9 | 10256 | 06-30-18 |
| California | State Program | 9 | CA ELAP 2706 | 06-30-18 |
| Guam | State Program | 9 | Cert. No. 17-003R | 01-23-18 |
| Hawaii | State Program | 9 | N/A | 01-29-18 |
| Kansas | NELAP Secondary AB | 7 | E-10420 | 07-31-17 * |
| Nevada | State Program | 9 | CA015312018-1 | 07-31-18 |
| New Mexico | State Program | 6 | N/A | 01-29-18 * |
| Northern Mariana Islands | State Program | 9 | MP0002 | 01-29-17 * |
| Oregon | NELAP | 10 | 4028 | 01-29-18 |
| USDA | Federal | | P330-15-00184 | 07-08-18 |
| Washington | State Program | 10 | C900 | 09-03-18 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Subcontract to
# Test America - Irvine

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711294 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | MCWP-04D | 09/15/17 | 11:40 | G | MW | | | | 1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |

440-192432 Chain of Custody

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/18/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| | | | Stephanie | 9/19/17 | 900 | | | |

2.3/2.0 IR-84 BlueIce

GSO: 537649946

Page 13 of 14

9/28/2017

C1616 0

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 440-192432-1

**Login Number: 192432**

**List Source: TestAmerica Irvine**

**List Number: 1**

**Creator: Fama, Sheri M**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | Not present |
| Sample custody seals, if present, are intact. | N/A | Not Present |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

September 28, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711294**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-EPA 547

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-28

Enclosure

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

**Work Order Number: B7I1647**
Received on Ice (Y/N): Yes Temp: 4 °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 |
|---|---|---|---|---|---|---|
| B7I1647-01 | MCWP-04D Grab | Water | 09/15/17 11:40 | Matt P./Ryan S. | 09/19/17 08:41 | Courier (GSO) |

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

**Work Order Number: B7I1647**
Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number
**B7I1647-01**

| Sample Description | Matrix | Sampled Date/Time | Received Date/Time |
|---|---|---|---|
| MCWP-04D | Water | 09/15/17 11:40 | 09/19/17 8:41 |

| Analyte(s) | Result | RDL | Units | Method | Analysis Date | Analyst | Flag |
|---|---|---|---|---|---|---|---|
| Glyphosate by EPA 547 | | | | | | | |
| Glyphosate | ND | 25 | ug/L | EPA 547 | 09/26/17 09:26 | jhr | |

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

**Work Order Number: B7I1647**
Received on Ice (Y/N): Yes Temp: 4 °C

## Glyphosate by EPA 547 - Batch Quality Control

| Analyte(s) | Result | RDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Flag |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 7I26084 - None** | | | | | | | | | | |
| **Blank (7I26084-BLK1)** | | | | Prepared & Analyzed: 09/26/17 | | | | | | |
| Glyphosate | ND | 25 | ug/L | | | | | | | |
| **LCS (7I26084-BS1)** | | | | Prepared & Analyzed: 09/26/17 | | | | | | |
| Glyphosate | 83.5 | 25 | ug/L | 100 | | 83.5 | 80-120 | | | |
| **LCS Dup (7I26084-BSD1)** | | | | Prepared & Analyzed: 09/26/17 | | | | | | |
| Glyphosate | 167 | 25 | ug/L | 200 | | 83.6 | 80-120 | 0.138 | 40 | |
| **Matrix Spike (7I26084-MS1)** | | **Source: B7I1647-01** | | Prepared & Analyzed: 09/26/17 | | | | | | |
| Glyphosate | 76.9 | 25 | ug/L | 100 | ND | 76.9 | 66-126 | | | |

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

**Work Order Number: B7I1647**
Received on Ice (Y/N): Yes Temp: 4 °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

* / (Non-NELAP): 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.



**Nancy H. Boulineau For Cindy A. Waddell**

cc:

e-Standard_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

BABCOCK Laboratories, Inc.
*The Standard of Excellence for Over 100 Years*

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017


Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

**Work Order Number: B7I1647**
Received on Ice (Y/N): Yes Temp: 4 °C

## Subcontract to
## Babcock Laboratories, Inc.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711294 - (2-25173)**
Purchase Order Number:
Sampler(s) Matt P./Ryan S.
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number:

Method of Sampling: Composite(C) Grab(G)
Type of Sample **SEE REVERSE SIDE**
Potable(P) Non-Potable(NP) Ag Water(AgW)
Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)
Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)
Sub Contracted-EPA 547
Soz(P)

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling | Type of Sample | Potable(P) | Bacti Type: Other(O) | Bacti Reason: Other(O) | Sub Contracted-EPA 547 Soz(P) | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | MCWP-04D | 09/15/17 | 11:40 | G | MW | | | | 1 | |

B7I1647 AB
SEP 19 2017

Remarks: 4°C

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/18/17 | 17:30 | GSO | 9/19/17 | 841 | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | | 9/19/17 | 841 | | | |

*mailing*
P.O Box 432
Riverside, CA 92502-0432

*location*
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

October 3, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711294**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted - Asbestos

Please note that this analysis was performed by LA Testing

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-03

Enclosure

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321722252
Customer ID: FGLE25
Customer PO:
Project ID:

**Attn:** Confirmations Log in
FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/15/2017
Received: 09/19/2017
Analyzed: 10/03/2017

**Proj:** SP 1711294 - (2-25173)

# Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

| Sample ID Client / EMSL | Sample Filtration Date/Time | Original Sample Vol. Filtered (ml) | Effective Filter Area (mm²) | Area Analyzed (mm²) | ASBESTOS | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Asbestos Types | Fibers Detected | Analytical Sensitivity | Concentration | Confidence Limits |
| | | | | | | | MFL (million fibers per liter) | | |
| 5<br>321722252-0001 | 9/26/2017<br>02:20 PM | 100 | 1288 | 0.0645 | None Detected | ND | 0.20 | <0.20 | 0.00 - 0.74 |

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

MDL FOR THE TEM EPA 100.2 mETHOD (EPA 600/R-94/134) IS 0.2MFL

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Report amended: 10/03/2017 13:18:36 Replaces initial report from:10/03/2017 10:07:51 Reason Code: ADD A COMMENT

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

# Subcontract to LA Testing

#321722252

OrderID: 321722252

#321722252

Page 1 Of 1

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711294 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** *****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P) | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | MCWP-04D | 09/15/17 | 11:40 | G | MW | | | | 1 | |

Remarks: Okay to run Post HT - Please Perform UV Ozonation

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/18/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | ↓ | ↓ | [signature] FE | 9/19/17 | 1040 | | | |

4°c

October 4, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711294**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 525

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-04

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
AT-1807

# Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
10/03/2017
EUROFINS EATON ANALYTICAL, INC.

NELAP ACCREDITED TNI LABORATORY
ORELAP 4034

Report: 687330
Project: DRINKING
Group: ORGANICS - EPA 500's

MP6E: Alicia Del Carlo
Project Manager

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

# STATE CERTIFICATION LIST

| State | Certification Number | State | Certification Number |
|---|---|---|---|
| **Alabama** | 41060 | **Michigan** | 9906 |
| **Arizona** | AZ0778 | **Mississippi** | Certified |
| **Arkansas** | Certified | **Montana** | Cert 0035 |
| **California-Monrovia-ELAP** | 2813 | **Nebraska** | Certified |
| **California-Colton- ELAP** | 2812 | **Nevada** | CA00006-2016 |
| **California-Folsom- ELAP** | 2820 | **New Hampshire *** | 2959 |
| **California-Fresno- ELAP** | 2966 | **New Jersey *** | CA 008 |
| **Colorado** | Certified | **New Mexico** | Certified |
| **Connecticut** | PH-0107 | **New York *** | 11320 |
| **Delaware** | CA 006 | **North Carolina** | 06701 |
| **Florida *** | E871024 | **North Dakota** | R-009 |
| **Georgia** | 947 | **Oregon (Primary AB) *** | **ORELAP 4034** |
| **Guam** | 17-005R | **Pennsylvania *** | 68-565 |
| **Hawaii** | Certified | **Puerto Rico** | Certified |
| **Idaho** | Certified | **Rhode Island** | LAO00326 |
| **Illinois *** | 200033 | **South Carolina** | 87016 |
| **Indiana** | C-CA-01 | **South Dakota** | Certified |
| **Iowa - Asbestos** | 413 | **Tennessee** | TN02839 |
| **Kansas *** | E-10268 | **Texas *** | T104704230-16-11 |
| **Kentucky** | 90107 | **Utah *** | CA000062017-11 |
| **Louisiana *** | LA170009 | **Vermont** | VT0114 |
| **Maine** | CA0006 | **Virginia *** | 460260 |
| **Maryland** | 224 | **Washington** | C838 |
| **Commonwealth of Northern Marianas Is.** | MP0004 | **EPA Region 5** | Certified |
| **Massachusetts** | M-CA006 | **Los Angeles County Sanitation Districts** | 10264 |

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 626-386-1101
www.EatonAnalytical.com

ISO 17025 Accredited Method List

**The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.**

**Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com**

| SPECIFIC TESTS | METHOD OR TECHNIQUE USED | Environ-mental (Drinking Water) | Environ-mental (Waste Water) | Water as a Component of Food and Bev/Bev/ Bottled Water |
|---|---|---|---|---|
| 1,4-Dioxane | EPA 522 | x | | x |
| 2,3,7,8-TCDD | Modified EPA 1613B | x | | x |
| Acrylamide | In House Method (2440) | x | | x |
| Alkalinity | SM 2320B | x | x | x |
| Ammonia | EPA 350.1 | | x | x |
| Ammonia | SM 4500-NH3 H | | x | x |
| Anions and DBPs by IC | EPA 300.0 | x | x | x |
| Anions and DBPs by IC | EPA 300.1 | x | | x |
| Asbestos | EPA 100.2 | x | x | |
| Bicarbonate Alkalinity as HCO3 | SM 2320B | x | x | x |
| BOD / CBOD | SM 5210B | | x | x |
| Bromate | In House Method (2447) | x | | x |
| Carbamates | EPA 531.2 | x | | x |
| Carbonate as CO3 | SM 2330B | x | x | x |
| Carbonyls | EPA 556 | x | | x |
| COD | EPA 410.4 / SM 5220D | | x | |
| Chloramines | SM 4500-CL G | x | x | x |
| Chlorinated Acids | EPA 515.4 | x | | x |
| Chlorinated Acids | EPA 555 | x | | x |
| Chlorine Dioxide | SM 4500-CLO2 D | x | | x |
| Chlorine -Total/Free/ Combined Residual | SM 4500-Cl G | x | x | x |
| Conductivity | EPA 120.1 | | x | |
| Conductivity | SM 2510B | x | x | x |
| Corrosivity (Langelier Index) | SM 2330B | x | | x |
| Cryptosporidium | EPA 1623 | x | | x |
| Cyanide, Amenable | SM 4500-CN G | x | x | |
| Cyanide, Free | SM 4500CN F | x | x | x |
| Cyanide, Total | EPA 335.4 | x | x | x |
| Cyanogen Chloride (screen) | In House Method (2470) | x | | x |
| Diquat and Paraquat | EPA 549.2 | x | | x |
| DBP/HAA | SM 6251B | x | | x |
| Dissolved Oxygen | SM 4500-O G | | x | x |
| DOC | SM 5310C | x | | x |
| E. Coli | (MTF/EC+MUG) | x | | x |
| E. Coli | CFR 141.21(f)(6)(i) | x | | x |
| E. Coli | SM 9223 | | x | |
| E. Coli (Enumeration) | SM 9221B.1/ SM 9221F | x | | x |
| E. Coli (Enumeration) | SM 9223B | x | | x |
| EDB/DCBP | EPA 504.1 | x | | |
| EDB/DBCP and DBP | EPA 551.1 | x | | x |
| EDTA and NTA | In House Method (2454) | x | | x |
| Endothall | EPA 548.1 | x | | x |
| Endothall | In-house Method (2445) | x | | x |
| Enterococci | SM 9230B | x | x | |
| Fecal Coliform | SM 9221 E (MTF/EC) | x | | |
| Fecal Coliform | SM 9221C, E (MTF/EC) | | x | |
| Fecal Coliform (Enumeration) | SM 9221E (MTF/EC) | x | | x |
| Fecal Coliform with Chlorine Present | SM 9221E | | x | |
| Fecal Streptococci | SM 9230B | x | x | |
| Fluoride | SM 4500-F C | x | x | x |
| Giardia | EPA 1623 | x | | x |
| Glyphosate | EPA 547 | x | | x |
| Gross Alpha/Beta | EPA 900.0 | x | x | x |
| Gross Alpha Coprecipitation | SM 7110 C | x | x | x |
| Hardness | SM 2340B | x | x | x |
| Heterotrophic Bacteria | In House Method (2439) | x | | x |
| Heterotrophic Bacteria | SM 9215 B | x | | x |
| Hexavalent Chromium | EPA 218.6 | x | x | x |
| Hexavalent Chromium | EPA 218.7 | x | | x |
| Hexavalent Chromium | SM 3500-Cr B | | x | |
| Hormones | EPA 539 | x | | x |
| Hydroxide as OH Calc. | SM 2330B | x | | x |
| Kjeldahl Nitrogen | EPA 351.2 | | x | |
| Legionella | CDC Legionella | x | | x |
| Mercury | EPA 245.1 | x | x | x |
| Metals | EPA 200.7 / 200.8 | x | x | x |
| Microcystin LR | ELISA (2360) | x | | x |
| NDMA | EPA 521 | x | | x |
| NDMA | TQ In house method based on EPA 521 (2425) | x | | x |
| Nitrate/Nitrite Nitrogen | EPA 353.2 | x | x | x |
| OCL, Pesticides/PCB | EPA 505 | x | | x |
| Ortho Phosphate | EPA 365.1 | x | x | x |
| Ortho Phosphate | SM 4500P E | | | x |
| Ortho Phosphorous | SM 4500P E | x | | |
| Oxyhalides Disinfection Byproducts | EPA 317.0 | x | | x |
| Perchlorate | EPA 331.0 | x | | x |
| Perchlorate (low and high) | EPA 314.0 | x | | x |
| Perfluorinated Alkyl Acids | EPA 537 | x | | x |
| pH | EPA 150.1 | x | | |
| pH | SM 4500-H+B | x | x | x |
| Phenylurea Pesticides/ Herbicides | In House Method, based on EPA 532 (2448) | x | | x |
| Pseudomonas | IDEXX Pseudalert (2461) | x | | x |
| Radium-226 | GA Institute of Tech | x | | x |
| Radium-228 | GA Institute of Tech | x | | x |
| Radon-222 | SM 7500RN | x | | x |
| Residue, Filterable | SM 2540C | x | x | x |
| Residue, Non-filterable | SM 2540D | | x | |
| Residue, Total | SM 2540B | | x | x |
| Residue, Volatile | EPA 160.4 | | x | |
| Semi-VOC | EPA 525.2 | x | | x |
| Semi-VOC | EPA 625 | | x | x |
| Silica | SM 4500-Si D | x | x | |
| Silica | SM 4500-SiO2 C | x | x | |
| Sulfide | SM 4500-$S^{=}$ D | | x | |
| Sulfite | SM 4500-$SO^{3}$B | x | x | x |
| Surfactants | SM 5540C | x | x | x |
| Taste and Odor Analytes | SM 6040E | x | | x |
| Total Coliform (P/A) | SM 9221 A, B | x | | x |
| Total Coliform (Enumeration) | SM 9221 A, B, C | x | | x |
| Total Coliform / E. coli | Colisure SM 9223 | x | | x |
| Total Coliform | SM 9221B | | x | |
| Total Coliform with Chlorine Present | SM 9221B | | x | |
| Total Coliform / E.coli (P/A and Enumeration) | SM 9223 | x | | x |
| TOC | SM 5310C | x | x | x |
| TOX | SM 5320B | | x | |
| Total Phenols | EPA 420.1 | | x | |
| Total Phenols | EPA 420.4 | x | x | x |
| Total Phosphorous | SM 4500 P E | | x | |
| Turbidity | EPA 180.1 | x | x | x |
| Turbidity | SM 2130B | x | x | |
| Uranium by ICP/MS | EPA 200.8 | x | | x |
| UV 254 | SM 5910B | x | | |
| VOC | EPA 524.2/EPA 524.3 | x | | x |
| VOC | EPA 624 | | x | x |
| VOC | EPA SW 846 8260 | x | | x |
| VOC | In House Method (2411) | x | | x |
| Yeast and Mold | SM 9610 | x | | x |

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# Acknowledgement of Samples Received

Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 687330
Project: DRINKING (SP 1711294)
Sample Group: ORGANICS - EPA 500's

Project Manager: Alicia Del Carlo
Phone: 559-797-1931
Sampler: Matt P./Ryan S.

The following samples were received from you on **September 19, 2017** at **11:35**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, Inc..

| Sample # | Sample ID | Sample Date |
|---|---|---|
| 201709190311 | TRAVEL BLANK - Hold | 09/15/2017 1430 |
| | @525_FGL_SHORT TBC | |
| 201709190312 | MCWP-04D | 09/15/2017 1140 |
| | @525_FGL_SHORT | |

## Test Description

@525_FGL_SHORT -- Semivolatiles by GCMS

@525_FGL_SHORT TBC -- Semivolatiles by GCMS


750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

# Subcontract to
# Eurofins Eaton Analytical, Inc.

687330

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711294 - (2-25173)**
Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Travel Blank | 09/15/17 | 14:30 | G | LBW | | | | 1 | |
| 5 | MCWP-04D | 09/15/17 | 11:40 | G | MW | | | | 1 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
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| | | | | | | | | | | |

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| TA | 9/18/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| G50 | 09/15/17 | | | 9/19/17 | 1135 | | | |

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# INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 687330

SAMPLES REC'D DAY OF COLLECTION? ☐

SAMPLE TEMP RECEIVED:

IR Gun ID = 570 (Observation= 4.1 °C) (Corr.Factor +0.2 °C) (Final = 4.3 °C)

TYPE OF ICE: Real ✓ Synthetic ✓ No Ice ___ CONDITION OF ICE: Frozen ✓ Partially Frozen ___ Thawed ___ N/A ___

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GSO

Compliance Acceptance Criteria:

1) Chemistry: >0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

- If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

| | |
|---|---|
| 1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) | 2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) |
| 3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) | 4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C) |

4) UCMR3 : (non-GLEC) 524.3: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

522: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

≤10°C if received within 48 hours of sample collection (not the same business day); ≤ 6°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia /Cryptosporidium: <20 °C, not frozen (received after 8 hours of sample collection )

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Crypto: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

E.Coli: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

| RECEIVED BY: SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
|---|---|---|---|---|
| | Theodore Nagy | Eurofins Eaton Analytical | 5/19/17 | 1135 |

GSO

800-322-5555
www.gso.com

**Ship From**
FRUIT GROWERS LABORATORY, INC.
BRANDON QUELL
853 CORPORATION ST
SANTA PAULA, CA 93060

**Ship To**
**EUROFINS EATON ANALYTICAL**
**ATTN: MONICA VANNATTA**
**750 ROYAL OAKS DRIVE STE#100**
**MONROVIA, CA 91016**

**COD:** $0.00
**Weight:** 22 lb(s)
**Reference:**
SP1711294-9/18/17-BQ
**Delivery Instructions:**

**Signature Type:** REQUIRED

**Tracking #: 537650024** **PDS**

**NWK** **E**
**MONROVIA**

**D91006A**

72381467

Print Date: 9/18/2017 4:16 PM

**LABEL INSTRUCTIONS:**

**Do not copy or reprint this label for additional shipments - each package must have a unique barcode.**
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

**TERMS AND CONDITIONS:**

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

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**Laboratory Comments**

**Report:** 687330
**Project:** DRINKING (SP 1711294)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

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**The Comments Report may be blank if there are no comments for this report.**

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**Laboratory Hits**

**Report:** 687330
**Project:** DRINKING (SP 1711294)
**Group:** ORGANICS - EPA 500's

**FGL Environmental, Inc.**
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/19/2017 11:35

| Analyzed | Analyte | Sample ID | Result | Federal MCL | Units | MRL |
|---|---|---|---|---|---|---|

**SUMMARY OF POSITIVE DATA ONLY**

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**Laboratory Data**

**Report:** 687330
**Project:** DRINKING (SP 1711294)
**Group:** ORGANICS - EPA 500's

**FGL Environmental, Inc.**
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/19/2017 11:35

| Prepared | Analyzed | Prep Batch | Analyze Batch | Method | Analyte | Result | Units | MDL | MRL | Dilution |
|---|---|---|---|---|---|---|---|---|---|---|
| **MCWP-04D (201709190312)** | | | | | | | **Sampled on 09/15/2017 1140** | | | |
| | | | | **EPA 525.2 - Semivolatiles by GCMS** | | | | | | |
| 09/27/17 | 09/29/17 18:51 | 1030614 | 1031798 | (EPA 525.2) | Benzo(a)pyrene | ND | ug/L | 0.011 | 0.02 | 1 |
| 09/27/17 | 09/29/17 18:51 | 1030614 | 1031798 | (EPA 525.2) | Di-(2-Ethylhexyl)adipate | ND | ug/L | 0.063 | 0.6 | 1 |
| 09/27/17 | 09/29/17 18:51 | 1030614 | 1031798 | (EPA 525.2) | Di(2-Ethylhexyl)phthalate | ND | ug/L | 0.15 | 0.6 | 1 |
| 09/27/17 | 09/29/17 18:51 | 1030614 | 1031798 | (EPA 525.2) | 1,3-Dimethyl-2-nitrobenzene | 106 | % | | | 1 |
| 09/27/17 | 09/29/17 18:51 | 1030614 | 1031798 | (EPA 525.2) | Acenaphthene-d10 | 82 | % | | | 1 |
| 09/27/17 | 09/29/17 18:51 | 1030614 | 1031798 | (EPA 525.2) | Chrysene-d12 | 61 | % | | | 1 |
| 09/27/17 | 09/29/17 18:51 | 1030614 | 1031798 | (EPA 525.2) | Perylene-d12 | 82 | % | | | 1 |
| 09/27/17 | 09/29/17 18:51 | 1030614 | 1031798 | (EPA 525.2) | Phenanthrene-d10 | 72 | % | | | 1 |

Rounding on totals after summation.
(c) - Indicates calculated results.
ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.

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**Laboratory QC Summary**

**Report:** 687330
**Project:** DRINKING (SP 1711294)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

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**Semivolatiles by GCMS**

**Prep Batch: 1030614** **Analytical Batch: 1031798** **Analysis Date: 09/29/2017**

| | | |
|---|---|---|
| 201709190311 | TRAVEL BLANK - Hold | Analyzed by: KAM |
| 201709190312 | MCWP-04D | Analyzed by: KAM |

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**Report:** 687330
**Project:** DRINKING (SP 1711294)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

| QC Type | Analyte | Native | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|---|---|---|---|---|---|---|---|---|---|
| **Semivolatiles by GCMS by EPA 525.2** | | | | | | | | | |
| **Prep Batch: 1030614 Analytical Batch: 1031798** | | | | | | | **Analysis Date: 09/29/2017** | | |
| LCS1 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 108 | % | 108 | (70-130) | | |
| MBLK | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| MRL_CHK | 1,3-Dimethyl-2-nitrobenzene (S) | | | 106 | % | 106 | (70-130) | | |
| MS_201709250229 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 104 | % | 104 | (70-130) | | |
| MSD_201709250229 | 1,3-Dimethyl-2-nitrobenzene (S) | | | 105 | % | 105 | (70-130) | | |
| LCS1 | Acenaphthene-d10 (I) | | | 89.8 | % | 90 | (50-150) | | |
| MBLK | Acenaphthene-d10 (I) | | | 99.0 | % | 99 | (50-150) | | |
| MRL_CHK | Acenaphthene-d10 (I) | | | 78.2 | % | 78 | (50-150) | | |
| MS_201709250229 | Acenaphthene-d10 (I) | | | 88.2 | % | 88 | (50-150) | | |
| MSD_201709250229 | Acenaphthene-d10 (I) | | | 86.4 | % | 86 | (50-150) | | |
| LCS1 | Benzo(a)pyrene | | 2 | 1.96 | ug/L | 98 | (70-130) | | |
| MBLK | Benzo(a)pyrene | | | <0.01 | ug/L | | | | |
| MRL_CHK | Benzo(a)pyrene | | 0.02 | 0.0150 | ug/L | 75 | (50-150) | | |
| MS_201709250229 | Benzo(a)pyrene | ND | 2 | 1.85 | ug/L | 92 | (70-130) | | |
| MSD_201709250229 | Benzo(a)pyrene | ND | 2 | 1.86 | ug/L | 93 | (70-130) | 20 | 1.1 |
| LCS1 | Chrysene-d12 (I) | | | 76.7 | % | 77 | (50-150) | | |
| MBLK | Chrysene-d12 (I) | | | 84.8 | % | 85 | (50-150) | | |
| MRL_CHK | Chrysene-d12 (I) | | | 67.2 | % | 67 | (50-150) | | |
| MS_201709250229 | Chrysene-d12 (I) | | | 79.5 | % | 80 | (50-150) | | |
| MSD_201709250229 | Chrysene-d12 (I) | | | 79.7 | % | 80 | (50-150) | | |
| LCS1 | Di-(2-Ethylhexyl)adipate | | 2 | 2.01 | ug/L | 100 | (70-130) | | |
| MBLK | Di-(2-Ethylhexyl)adipate | | | <0.15 | ug/L | | | | |
| MRL_CHK | Di-(2-Ethylhexyl)adipate | | 0.3 | 0.261 | ug/L | 87 | (50-150) | | |
| MS_201709250229 | Di-(2-Ethylhexyl)adipate | ND | 2 | 2.25 | ug/L | 113 | (70-130) | | |
| MSD_201709250229 | Di-(2-Ethylhexyl)adipate | ND | 2 | 2.07 | ug/L | 104 | (70-130) | 20 | 8.3 |
| LCS1 | Di(2-Ethylhexyl)phthalate | | 2 | 2.21 | ug/L | 111 | (70-130) | | |
| MBLK | Di(2-Ethylhexyl)phthalate | | | <0.15 | ug/L | | | | |
| MRL_CHK | Di(2-Ethylhexyl)phthalate | | 0.6 | 0.634 | ug/L | 106 | (50-150) | | |
| MS_201709250229 | Di(2-Ethylhexyl)phthalate | ND | 2 | 2.40 | ug/L | 120 | (70-130) | | |
| MSD_201709250229 | Di(2-Ethylhexyl)phthalate | ND | 2 | 2.21 | ug/L | 111 | (70-130) | 20 | 8.2 |
| LCS1 | Perylene-d12 (S) | | | 87.6 | % | 88 | (70-130) | | |
| MBLK | Perylene-d12 (S) | | | 76.1 | % | 76 | (70-130) | | |
| MRL_CHK | Perylene-d12 (S) | | | 80.5 | % | 81 | (70-130) | | |
| MS_201709250229 | Perylene-d12 (S) | | | 82.7 | % | 83 | (70-130) | | |
| MSD_201709250229 | Perylene-d12 (S) | | | 83.0 | % | 83 | (70-130) | | |

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)



**Report:** 687330
**Project:** DRINKING (SP 1711294)
**Group:** ORGANICS - EPA 500's

FGL Environmental, Inc.

| QC Type | Analyte | Native | Spiked | Recovered | Units | Yield (%) | Limits (%) | RPDLimit (%) | RPD% |
|---|---|---|---|---|---|---|---|---|---|
| LCS1 | Phenanthrene-d10 (I) | | | 83.0 | % | 83 | (50-150) | | |
| MBLK | Phenanthrene-d10 (I) | | | 94.4 | % | 94 | (50-150) | | |
| MRL_CHK | Phenanthrene-d10 (I) | | | 72.6 | % | 73 | (50-150) | | |
| MS_201709250229 | Phenanthrene-d10 (I) | | | 82.6 | % | 83 | (50-150) | | |
| MSD_201709250229 | Phenanthrene-d10 (I) | | | 82.9 | % | 83 | (50-150) | | |

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

October 4, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711294**

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-04

Enclosure

October 04, 2017

**Vista Work Order No. 1701282**

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 19, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1711294-(2-25173)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

**Vista Work Order No. 1701282**
**Case Narrative**

**Sample Condition on Receipt:**

One monitoring well sample was received in good condition and within the method temperature requirements. The sample was received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

**Analytical Notes:**

**EPA Method 1613**

This sample was extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613 using a ZB-5MS GC column.

Holding Times

The sample was extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS


Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 9

Certifications..... 10

Sample Receipt..... 13

# Sample Inventory Report

| Vista Sample ID | Client Sample ID | Sampled | Received | Components/Containers |
|---|---|---|---|---|
| 1701282-01 | MCWP-04D | 15-Sep-17 11:40 | 19-Sep-17 11:25 | Amber Glass NM Bottle, 1L |

Vista Project: 1701282

Client Project: SP 1711294-(2-25173)

## ANALYTICAL RESULTS

**Sample ID: Method Blank** — **EPA Method 1613B**

| | | | | | |
|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B7I0161 | Lab Sample: | B7I0161-BLK1 |
| Sample Size: | 1.00 L | Date Extracted: | 29-Sep-2017 10:00 | Date Analyzed : | 03-Oct-17 17:18 Column: ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 5.00 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 88.7 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 100 | 42 - 164 | |

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

| **Sample ID:** | **OPR** | | | | | | **EPA Method 1613B** |
|---|---|---|---|---|---|---|---|
| Matrix: | Aqueous | QC Batch: | B7I0161 | Lab Sample: | B7I0161-BS1 | | |
| Sample Size: | 1.00 L | Date Extracted: | 29-Sep-2017 10:00 | Date Analyzed: | 03-Oct-17 15:41 | Column: | ZB-5MS |

| Analyte | Amt Found (pg/L) | Spike Amt | %R | Limits |
|---|---|---|---|---|
| 2,3,7,8-TCDD | 191 | 200 | 95.4 | 73 - 146 |

| | Labeled Standard | %R | LCL-UCL |
|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 95.5 | 25 - 141 |
| CRS | 37Cl-2,3,7,8-TCDD | 111 | 37 - 158 |

LCL-UCL - Lower control limit - upper control limit

**Sample ID: MCWP-04D** **EPA Method 1613B**

| Client Data | | Sample Data | | Laboratory Data | | | |
|---|---|---|---|---|---|---|---|
| Name: | FGL Environmental, Inc. | Matrix: | Monitoring Well | Lab Sample: | 1701282-01 | Date Received: | 19-Sep-2017 11:25 |
| Project: | SP 1711294-(2-25173) | Sample Size: | 1.02 L | QC Batch: | B7I0161 | Date Extracted: | 29-Sep-2017 10:00 |
| Date Collected: | 15-Sep-2017 11:40 | | | Date Analyzed : | 04-Oct-17 00:35 | Column: | ZB-5MS |

| Analyte | Conc. (pg/L) | RL | MDL | Qualifiers |
|---|---|---|---|---|
| 2,3,7,8-TCDD | ND | 4.90 | 1.08 | |

| | Labeled Standard | %R | LCL-UCL | Qualifiers |
|---|---|---|---|---|
| IS | 13C-2,3,7,8-TCDD | 88.3 | 31 - 137 | |
| CRS | 37Cl-2,3,7,8-TCDD | 110 | 42 - 164 | |

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

# DATA QUALIFIERS & ABBREVIATIONS

| | |
|---|---|
| **B** | **This compound was also detected in the method blank.** |
| **D** | **Dilution** |
| **E** | **The associated compound concentration exceeded the calibration range of the instrument.** |
| **H** | **Recovery and/or RPD was outside laboratory acceptance limits.** |
| **I** | **Chemical Interference** |
| **J** | **The amount detected is below the Reporting Limit/LOQ.** |
| **M** | **Estimated Maximum Possible Concentration. (CA Region 2 projects only)** |
| ***** | **See Cover Letter** |
| **Conc.** | **Concentration** |
| **NA** | **Not applicable** |
| **ND** | **Not Detected** |
| **TEQ** | **Toxic Equivalency** |
| **U** | **Not Detected (specific projects only)** |

**Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.**

## CERTIFICATIONS

| Accrediting Authority | Certificate Number |
|---|---|
| Arkansas Department of Environmental Quality | 17-015-0 |
| California Department of Health – ELAP | 2892 |
| DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005 | 3091.01 |
| Florida Department of Health | E87777-18 |
| Hawaii Department of Health | N/A |
| Louisiana Department of Environmental Quality | 01977 |
| Maine Department of Health | 2016026 |
| Minnesota Department of Health | 1175673 |
| New Hampshire Environmental Accreditation Program | 207716 |
| New Jersey Department of Environmental Protection | CA003 |
| New York Department of Health | 11411 |
| Oregon Laboratory Accreditation Program | 4042-008 |
| Pennsylvania Department of Environmental Protection | 013 |
| Texas Commission on Environmental Quality | T104704189-17-8 |
| Virginia Department of General Services | 8621 |
| Washington Department of Ecology | C584 |
| Wisconsin Department of Natural Resources | 998036160 |

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

## NELAP Accredited Test Methods

| MATRIX: Air | |
|---|---|
| **Description of Test** | **Method** |
| Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans | EPA 23 |

| MATRIX: Biological Tissue | |
|---|---|
| **Description of Test** | **Method** |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613B |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS | EPA 1699 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

| MATRIX: Drinking Water | |
|---|---|
| **Description of Test** | **Method** |
| 2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS | EPA 1613 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |

| MATRIX: Non-Potable Water | |
|---|---|
| **Description of Test** | **Method** |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613B |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS | EPA 1699 |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Dioxin by GC/HRMS | EPA 613 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

| MATRIX: Solids | |
|---|---|
| **Description of Test** | **Method** |
| Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS | EPA 1613 |
| Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope | EPA 1613B |

| | |
|---|---|
| Dilution GC/HRMS | |
| Brominated Diphenyl Ethers by HRGC/HRMS | EPA 1614A |
| Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS | EPA 1668A/C |
| Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS | EPA 537 |
| Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS | EPA 8280A/B |
| Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS | EPA 8290/8290A |

# Subcontract to
# Vista Analytical Laboratory

1701282 4.4°C

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711294 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ____/____/____ Time: ____/____

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT) | | | | | | | | | | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | MCWP-04D | 09/15/17 | 11:40 | G | MW | | | | 21 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| [signature] | 9/18/17 | 17:30 | GSO | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| GSO | 2 | 2 | [signature] | 9/19/17 | 1147 | | | |

Vista Analytical Laboratory

# Sample Log-in Checklist

**Vista Work Order #:** 1701282 **TAT** 8Td

| | | | |
|---|---|---|---|
| **Samples Arrival:** | **Date/Time** 9/19/17 11:25 | **Initials:** IA | **Location:** WR-2 **Shelf/Rack:** N/a |
| **Logged In:** | **Date/Time** 09/21/17 0607 | **Initials:** VJB MMS | **Location:** WR-2 **Shelf/Rack:** B |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Delivered By:** | FedEx | UPS | On Trac | GSO | DHL | Hand Delivered | Other |
| **Preservation:** | Ice | | Blue Ice | | Dry Ice | | None |

| | | | |
|---|---|---|---|
| **Temp °C:** 4.3 | (uncorrected) | **Time:** 11:30 | **Thermometer ID:** IR-1 |
| **Temp °C:** 4.4 | (corrected) | **Probe used:** Yes☐ No☒ | |

| | YES | NO | NA |
|---|---|---|---|
| Adequate Sample Volume Received? | ✓ | | |
| Holding Time Acceptable? | ✓ | | |
| Shipping Container(s) Intact? | ✓ | | |
| Shipping Custody Seals Intact? | | | ✓ |
| Shipping Documentation Present? | ✓ | | |
| Airbill — Trk # 537649836 | ✓ | | |
| Sample Container Intact? | ✓ | | |
| Sample Custody Seals Intact? | | | ✓ |
| Chain of Custody / Sample Documentation Present? | ✓ | | |
| COC Anomaly/Sample Acceptance Form completed? | | ✓ | ✓ |

| | | | | | | |
|---|---|---|---|---|---|---|
| If Chlorinated or Drinking Water Samples, Acceptable Preservation? | | | | | | ✓ |
| Preservation Documented: | $Na_2S_2O_3$ | Trizma | None | | Yes | No | NA |
| Shipping Container | Vista | | Client | Retain | Return | Dispose | |

*Comments:*

October 6, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analysis for FGL Lab No. SP 1711294**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium 90 by EPA 905.0

Please note that this analysis was performed by Test America- St. Louis Missouri

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-06

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-24556-1
Client Project/Site: SP 1711294-(2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Rhonda Ridenhower

*Authorized for release by:*
*10/5/2017 4:38:18 PM*

Rhonda Ridenhower, Manager of Project Management
(314)298-8566
rhonda.ridenhower@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

# Table of Contents

Cover Page . . . . . 1
Table of Contents . . . . . 2
Case Narrative . . . . . 3
Chain of Custody . . . . . 4
Receipt Checklists . . . . . 5
Definitions/Glossary . . . . . 6
Method Summary . . . . . 7
Sample Summary . . . . . 8
Client Sample Results . . . . . 9
QC Sample Results . . . . . 10
QC Association Summary . . . . . 11
Tracer Carrier Summary . . . . . 12

## Job ID: 160-24556-1

**Laboratory: TestAmerica St. Louis**

**Narrative**

# CASE NARRATIVE

## Client: FGL Environmental

## Project: SP 1711294-(2-25173)

## Report Number: 160-24556-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

**RECEIPT**

The samples were received on 09/19/2017; the samples arrived in good condition, properly preserved. The temperature of the coolers at receipt was 20.0 C.

**STRONTIUM-90 (GFPC)**

Sample MCWP-04D (160-24556-1) was analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 09/26/2017 and analyzed on 10/04/2017.

Insufficient sample volume was available to perform a sample duplicate (DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.
MCWP-04D (160-24556-1)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Subcontract to
# Test America- St. Louis Missouri

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711294 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-Strontium 90 by EPA 905.0 "With 7-Day In-Growth" 8oz(P) | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | MCWP-04D | 09/15/17 | 11:40 | G | MW | | | | 1 | |

160-24556 Chain of Custody

Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/18/17 | 17:30 | UPS | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| UPS Next Day | ↓ | ↓ | | 9/19/17 | 0830 | | | |

# Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 160-24556-1

**Login Number: 24556**
**List Number: 1**
**Creator: Taylor, Kristene N**

**List Source: TestAmerica St. Louis**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

## Qualifiers

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Method Summary

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 905 | Strontium-90 (GFPC) | EPA | TAL SL |

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Sample Summary

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 160-24556-1 | MCWP-04D | Water | 09/15/17 11:40 | 09/19/17 08:30 |

# Client Sample Results

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

**Client Sample ID: MCWP-04D**
**Date Collected: 09/15/17 11:40**
**Date Received: 09/19/17 08:30**

**Lab Sample ID: 160-24556-1**
**Matrix: Water**

## Method: 905 - Strontium-90 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | 0.668 | | 0.298 | 0.303 | 3.00 | 0.434 | pCi/L | 09/26/17 13:00 | 10/04/17 10:54 | 1 |

| *Carrier* | *%Yield* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *86.5* | | *40 - 110* | *09/26/17 13:00* | *10/04/17 10:54* | *1* |
| *Y Carrier* | *91.6* | | *40 - 110* | *09/26/17 13:00* | *10/04/17 10:54* | *1* |

## Method: 905 - Strontium-90 (GFPC)

**Lab Sample ID: MB 160-329041/1-A**
**Matrix: Water**
**Analysis Batch: 330233**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 329041**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | 0.2268 | U | 0.241 | 0.241 | 3.00 | 0.393 | pCi/L | 09/26/17 13:00 | 10/04/17 10:53 | 1 |

| *Carrier* | *MB %Yield* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Sr Carrier* | *86.5* | | *40 - 110* | *09/26/17 13:00* | *10/04/17 10:53* | *1* |
| *Y Carrier* | *89.7* | | *40 - 110* | *09/26/17 13:00* | *10/04/17 10:53* | *1* |

**Lab Sample ID: LCS 160-329041/2-A**
**Matrix: Water**
**Analysis Batch: 330233**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 329041**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | | | 11.2 | 11.66 | | 1.21 | 3.00 | 0.353 | pCi/L | 104 | 75 - 125 | | |

| *Carrier* | *LCS %Yield* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Sr Carrier* | *86.6* | | *40 - 110* |
| *Y Carrier* | *90.1* | | *40 - 110* |

**Lab Sample ID: LCSD 160-329041/3-A**
**Matrix: Water**
**Analysis Batch: 330233**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 329041**

| Analyte | | | Spike Added | LCSD Result | LCSD Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec. Limits | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Strontium-90 | | | 11.2 | 11.12 | | 1.16 | 3.00 | 0.368 | pCi/L | 100 | 75 - 125 | 0.23 | 1 |

| *Carrier* | *LCSD %Yield* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Sr Carrier* | *88.6* | | *40 - 110* |
| *Y Carrier* | *89.7* | | *40 - 110* |

# QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

## Rad

### Prep Batch: 329041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 160-24556-1 | MCWP-04D | Total/NA | Water | PrecSep-7 | |
| MB 160-329041/1-A | Method Blank | Total/NA | Water | PrecSep-7 | |
| LCS 160-329041/2-A | Lab Control Sample | Total/NA | Water | PrecSep-7 | |
| LCSD 160-329041/3-A | Lab Control Sample Dup | Total/NA | Water | PrecSep-7 | |

# Tracer/Carrier Summary

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

## Method: 905 - Strontium-90 (GFPC)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Yield (Acceptance Limits) | |
|---|---|---|---|
| Lab Sample ID | Client Sample ID | Sr (C) (40-110) | Y (40-110) |
| 160-24556-1 | MCWP-04D | 86.5 | 91.6 |
| LCS 160-329041/2-A | Lab Control Sample | 86.6 | 90.1 |
| LCSD 160-329041/3-A | Lab Control Sample Dup | 88.6 | 89.7 |
| MB 160-329041/1-A | Method Blank | 86.5 | 89.7 |

**Tracer/Carrier Legend**

Sr (C) = Sr Carrier
Y = Y Carrier

October 24, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

**Subject: Subcontract Analyses for FGL Lab No. SP 1711297**

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-EstradiolPharma Positive:Caffiene, DEET, SucralosePharma Negative: Triclosan
- Sub Contracted-EPA 1625M NDMA

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

**Cindy Aguirre** Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-24

Enclosure

WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

**Work Orders:** 7I19011

**Project:** SP 1711297-(2-25173)

**Attn:** Cindy Aguirre

**Client:** FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

**Report Date:** 10/24/2017

**Received Date:** 9/19/2017

**Turnaround Time:** Normal

**Phones:** (805) 392-2012

**Fax:** (805) 525-4172

**P.O. #:**

**Billing Code:**

**DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015 ● SCAQMD #93LA1006**

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*

Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/19/17 with the Chain-of-Custody document. The samples were received in good condition, at 1.6 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

**Reviewed by:**

Regina Giancola
Project Manager



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FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

**Project Number:** SP 1711297-(2-25173)

**Project Manager:** Cindy Aguirre

**Reported:**
10/24/2017 11:33

## Sample Summary

| Sample Name | Sampled By | Lab ID | Matrix | Sampled | Qualifiers |
|---|---|---|---|---|---|
| MCWP-04D | Matt P./ Ryan S. | 7I19011-01 | Water | 09/15/17 11:40 | |



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**Project Number:** SP 1711297-(2-25173)

**Project Manager:** Cindy Aguirre

**Reported:** 10/24/2017 11:33

## Sample Results

Sample: MCWP-04D

7I19011-01 (Water)

Sampled: 09/15/17 11:40 by Matt P./ Ryan S.

| Analyte | Result | MDL | MRL | Units | Dil | Analyzed | Qualifier |
|---|---|---|---|---|---|---|---|
| **Nitrosamines by isotopic dilution GC/MS CI Mode** | | | | | | | |
| **Method:** EPA 1625M | **Batch ID:** W7I1063 | | **Prepared:** 09/19/17 12:05 | | | | **Analyst:** smr |
| N-Nitrosodimethylamine | ND | 0.50 | 2.0 | ng/l | 1 | 09/21/17 17:05 | |
| **PPCPs - Hormones by LC/MSMS-APCI** | | | | | | | |
| **Method:** EPA 1694M-APCI | **Batch ID:** W7I1388 | | **Prepared:** 09/25/17 09:56 | | | | **Analyst:** kan |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | 1 | 10/04/17 02:51 | |
| **PPCPs - Pharmaceuticals by LC/MSMS-ESI-** | | | | | | | |
| **Method:** EPA 1694M-ESI- | **Batch ID:** W7I1389 | | **Prepared:** 09/25/17 09:57 | | | | **Analyst:** kan |
| **Bisphenol A** | **0.95** | 0.27 | 1.0 | ng/l | 1 | 09/29/17 04:14 | J |
| Diclofenac | ND | 0.26 | 1.0 | ng/l | 1 | 09/29/17 04:14 | |
| Gemfibrozil | ND | 0.080 | 1.0 | ng/l | 1 | 09/29/17 04:14 | |
| Ibuprofen | ND | 0.39 | 1.0 | ng/l | 1 | 09/29/17 04:14 | |
| Iopromide | ND | 1.8 | 5.0 | ng/l | 1 | 09/29/17 04:14 | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | 1 | 09/29/17 04:14 | |
| **PPCPs - Pharmaceuticals by LC/MSMS-ESI+** | | | | | | | |
| **Method:** EPA 1694M-ESI+ | **Batch ID:** W7I1387 | | **Prepared:** 09/25/17 09:53 | | | | **Analyst:** kan |
| **Caffeine** | **0.87** | 0.31 | 1.0 | ng/l | 1 | 10/21/17 05:41 | J |
| **DEET** | **0.74** | 0.060 | 1.0 | ng/l | 1 | 10/14/17 12:47 | J |
| **Sucralose** | **26** | 5.0 | 5.0 | ng/l | 1 | 10/21/17 05:41 | |



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Santa Paula, CA 93060

**Project Number:** SP 1711297-(2-25173)

**Project Manager:** Cindy Aguirre

**Reported:**
10/24/2017 11:33

## Quality Control Results

### Nitrosamines by isotopic dilution GC/MS CI Mode

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: W7I1063 - EPA 1625M** | | | | | | | | | | | |
| **Blank (W7I1063-BLK1)** | | | | | **Prepared: 09/19/17 Analyzed: 09/21/17** | | | | | | |
| N-Nitrosodimethylamine | ND | 0.50 | 2.0 | ng/l | | | | | | | |
| **LCS (W7I1063-BS1)** | | | | | **Prepared: 09/19/17 Analyzed: 09/21/17** | | | | | | |
| N-Nitrosodimethylamine | 3.52 | 0.50 | 2.0 | ng/l | 3.00 | | 117 | 50-150 | | | |
| **LCS Dup (W7I1063-BSD1)** | | | | | **Prepared: 09/19/17 Analyzed: 09/21/17** | | | | | | |
| N-Nitrosodimethylamine | 3.53 | 0.50 | 2.0 | ng/l | 3.00 | | 118 | 50-150 | 0.3 | 50 | |

### PPCPs - Hormones by LC/MSMS-APCI

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: W7I1388 - EPA 1694M-APCI** | | | | | | | | | | | |
| **Blank (W7I1388-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | ND | 0.31 | 1.0 | ng/l | | | | | | | |
| **LCS (W7I1388-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | 11.9 | 0.31 | 1.0 | ng/l | 10.0 | | 119 | 65-146 | | | |
| **LCS Dup (W7I1388-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 10/03/17** | | | | | | |
| 17-b-Estradiol | 11.8 | 0.31 | 1.0 | ng/l | 10.0 | | 118 | 65-146 | 0.8 | 30 | |

### PPCPs - Pharmaceuticals by LC/MSMS-ESI-

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: W7I1389 - EPA 1694M-ESI-** | | | | | | | | | | | |
| **Blank (W7I1389-BLK1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 3.11 | 0.27 | 1.0 | ng/l | | | | | | | B |
| Diclofenac | ND | 0.26 | 1.0 | ng/l | | | | | | | |
| Gemfibrozil | ND | 0.080 | 1.0 | ng/l | | | | | | | |
| Ibuprofen | ND | 0.39 | 1.0 | ng/l | | | | | | | |
| Iopromide | ND | 1.8 | 5.0 | ng/l | | | | | | | |
| Triclosan | ND | 1.2 | 2.0 | ng/l | | | | | | | |
| **LCS (W7I1389-BS1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 15.8 | 0.27 | 1.0 | ng/l | 10.0 | | 158 | 53-168 | | | |
| Diclofenac | 24.6 | 0.26 | 1.0 | ng/l | 10.0 | | 246 | 37-218 | | | Q-08 |
| Gemfibrozil | 12.1 | 0.080 | 1.0 | ng/l | 10.0 | | 121 | 76-122 | | | |
| Ibuprofen | 19.8 | 0.39 | 1.0 | ng/l | 10.0 | | 198 | 67-139 | | | Q-08 |
| Iopromide | 63.3 | 1.8 | 5.0 | ng/l | 50.0 | | 127 | 0.1-163 | | | |
| Naproxen | 16.7 | 0.25 | 1.0 | ng/l | 10.0 | | 167 | 64-138 | | | Q-08 |
| Salicylic Acid | 124 | 0.86 | 50 | ng/l | 100 | | 124 | 56-229 | | | |
| Triclosan | 12.1 | 1.2 | 2.0 | ng/l | 10.0 | | 121 | 76-139 | | | |
| **LCS Dup (W7I1389-BSD1)** | | | | | **Prepared: 09/25/17 Analyzed: 09/29/17** | | | | | | |
| Bisphenol A | 16.2 | 0.27 | 1.0 | ng/l | 10.0 | | 162 | 53-168 | 3 | 30 | |



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FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

**Project Number:** SP 1711297-(2-25173)

**Project Manager:** Cindy Aguirre

**Reported:**
10/24/2017 11:33

## Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI- (Continued)

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: W7I1389 - EPA 1694M-ESI- (Continued)** | | | | | | | | | | | |
| **LCS Dup (W7I1389-BSD1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 09/29/17** | | | | | |
| Diclofenac | 22.3 | 0.26 | 1.0 | ng/l | 10.0 | | 223 | 37-218 | 10 | 30 | Q-08 |
| Gemfibrozil | 11.9 | 0.080 | 1.0 | ng/l | 10.0 | | 119 | 76-122 | 2 | 30 | |
| Ibuprofen | 18.0 | 0.39 | 1.0 | ng/l | 10.0 | | 180 | 67-139 | 10 | 30 | Q-08 |
| Iopromide | 57.4 | 1.8 | 5.0 | ng/l | 50.0 | | 115 | 0.1-163 | 10 | 30 | |
| Naproxen | 16.8 | 0.25 | 1.0 | ng/l | 10.0 | | 168 | 64-138 | 0.6 | 30 | Q-08 |
| Salicylic Acid | 125 | 0.86 | 50 | ng/l | 100 | | 125 | 56-229 | 0.8 | 30 | |
| Triclosan | 11.9 | 1.2 | 2.0 | ng/l | 10.0 | | 119 | 76-139 | 2 | 30 | |

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

| Analyte | Result | MDL | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch: W7I1387 - EPA 1694M-ESI+** | | | | | | | | | | | |
| **Blank (W7I1387-BLK1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 0.980 | 0.060 | 1.0 | ng/l | | | | | | | J |
| **Blank (W7I1387-BLK2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 0.325 | 0.31 | 1.0 | ng/l | | | | | | | QC-2, J |
| **LCS (W7I1387-BS1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 11.9 | 0.060 | 1.0 | ng/l | 10.0 | | 119 | 45-135 | | | |
| **LCS (W7I1387-BS2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 10.7 | 0.31 | 1.0 | ng/l | 10.0 | | 107 | 55-152 | | | QC-2 |
| **LCS Dup (W7I1387-BSD1)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/14/17** | | | | | |
| DEET | 13.5 | 0.060 | 1.0 | ng/l | 10.0 | | 135 | 45-135 | 13 | 30 | |
| **LCS Dup (W7I1387-BSD2)** | | | | | **Prepared: 09/25/17** | **Analyzed: 10/21/17** | | | | | |
| Caffeine | 12.6 | 0.31 | 1.0 | ng/l | 10.0 | | 126 | 55-152 | 16 | 30 | QC-2 |



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FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

**Project Number:** SP 1711297-(2-25173)

**Project Manager:** Cindy Aguirre

**Reported:**
10/24/2017 11:33

## Notes and Definitions

| Item | Definition |
|---|---|
| B | Blank contamination. The analyte was found in the associated blank as well as in the sample. |
| J | Estimated conc. detected <MRL and >MDL. |
| Q-08 | High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit. |
| QC-2 | This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date. |
| ND | NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL. |
| Dil | Dilution |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| % Rec | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |
| MDL | Method Detection Limit |
| MRL | The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR) |
| MDA | Minimum Detectable Activity |
| NR | Not Reportable |
| TIC | Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown. |

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.



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www.wecklabs.com

WECK LABORATORIES, INC.

# Sample Receipt

**WORK ORDER:** 7I19011
**Client:** FGL Environmental
**Project:** PPCP-EDC

**Printed:** 9/20/2017 6:05:15PM
**Project Manager:** Regina Giancola
**Project Number:** SP 1711297-(2-25173)

**Report To:**
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

**Invoice To:**
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

**Date Due:** 10/10/17 09:00 (15 day TAT)
**Received By:** Lester K. Abad
**Logged In By:** Lester K. Abad

**Date Received:** 09/19/17 09:06
**Date Logged In:** 09/19/17 09:36

| | | | | | |
|---|---|---|---|---|---|
| Samples Received at: | **1.6°C** | | | | |
| All containers intact: | **Yes** | Sample labels & COC agree | **Yes** | Sufficient holding time for all tests | **Yes** |
| Custody Seals | **No** | Samples preserved properly | **Yes** | Received on Ice | **Yes** |
| Chain of custody completed | **Yes** | Sample volume sufficient | **Yes** | Appropriate sample containers | **Yes** |

## Samples

| Analysis | Expires | Analysis Comments |
|---|---|---|
| **7I19011-01 Sample Name: MCWP-04D [Water] Sampled 9/15/2017 11:40** | | |
| NDMA | 09/22/17 11:40 | |
| PPCP Hormones | 10/13/17 11:40 | |
| PPCP Pharma-Negative | 10/13/17 11:40 | |
| PPCP Pharma-Positive | 10/13/17 11:40 | |

Regina Giancola 9/20/2017

Authorized Signature Date

**Note:**
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.



14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

# Subcontract to
# Weck Laboratories, Inc.

FI19011

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711297 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

| Samp Num | Location Description | Date Sampled | Time Sampled | Method of Sampling: Composite(C) Grab(G) | Type of Sample **SEE REVERSE SIDE** | Potable(P) Non-Potable(NP) Ag Water(AgW) | Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) | Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL) | Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT) | Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT) | Map Ref. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | MCWP-04D | 09/15/17 | 11:40 | G | MW | | | | 2 | 2 | |
| | | | | | | | | | | | |
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Remarks:

| Relinquished | Date: | Time: | Relinquished | Date: | Time: | Relinquished | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| | 9/18/17 | 17:30 | | | | | | |
| **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** | **Received By:** | **Date:** | **Time:** |
| G50 | | | | 9/19/17 | 9:06 | | | |

1-6C

September 28, 2017

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1711309
Customer : 2-25173

## Laboratory Report

**Introduction:** This report package contains total of 3 pages divided into 3 sections:

| | | |
|---|---|---|
| Case Narrative | (1 pages) | : An overview of the work performed at FGL. |
| Sample Results | (1 page) | : Results for each sample submitted. |
| Quality Control | (1 page) | : Supporting Quality Control (QC) results. |

## Case Narrative

This Case Narrative pertains to the following samples:

| Sample Description | Date Sampled | Date Received | FGL Lab ID # | Matrix |
|---|---|---|---|---|
| MCWP-MW05 | 09/15/2017 | 09/16/2017 | SP 1711309-015 | MW |

**Sampling and Receipt Information:** All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

**Quality Control:** All samples were prepared and analyzed according to the following tables:

## Inorganic - Wet Chemistry QC

| | |
|---|---|
| 2540CE | 09/20/2017:211317 All preparation quality controls are within established criteria |
| 300.0 | 09/15/2017:214206 All analysis quality controls are within established criteria |
| | 09/15/2017:211341 All preparation quality controls are within established criteria |

**Certification::** I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2017-09-28

KD:DMB



**Corporate Offices & Laboratory**
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

**Office & Laboratory**
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

**Office & Laboratory**
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

**Office & Laboratory**
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

**Office & Laboratory**
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 28, 2017

Lab ID : SP 1711309-015
Customer ID : 2-25173

**Rincon Consultants, Inc.**
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 15, 2017-16:15
Sampled By : Matt Pendleton / Rya
Received On : September 16, 2017-:
Matrix : Monitoring Well

Description : MCWP-MW05
Project : Malibu WWTP - Baseline GWM

## Sample Result - Inorganic

| Constituent | Result | PQL | MDL | Units | Dilution | DQF | Sample Preparation Method | Sample Preparation ID | Sample Preparation Time | Sample Analysis Method | Sample Analysis ID | Sample Analysis Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | | | | | | | | | | | |
| Nitrate Nitrogen | 2.40 | 0.1 | 0.00080 | mg/L | 1 | | 300.0 | 211341 | 09/15/17 18:30 | 300.0 | 214206-IC210 | 09/15/17-23:20MCA |
| Total Dissolved Solids (TFR) | 1410 | 20 | 5.8 | mg/L | 1 | | 2540CE | 211317 | 09/20/17 11:35 | 2540C | 214223-WT219 | 09/21/17-10:44AMB |

ND=Non-Detected. PQL=Practical Quantitation Limit.



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September 28, 2017 Lab ID : SP 1711309
**Rincon Consultants, Inc.** Customer : 2-25173

## Quality Control - Inorganic

| Constituent | Method | Date/ID | Type | Units | Conc. | QC Data | DQO | Note |
|---|---|---|---|---|---|---|---|---|
| **Wet Chem** | | | | | | | | |
| Total Dissolved Solids (TFR) | 2540CE | 09/20/17:211317CTL | Blank | mg/L | | 4.1 | 20 | |
| | | | LCS | mg/L | 997.3 | 96.8 % | 90-110 | |
| | | (STK1751994-001) | Dup | mg/L | | 2.3% | 5 | |
| | | (STK1751994-002) | Dup | mg/L | | 1.5% | 5 | |
| Nitrate | 300.0 | 09/15/17:211341mca | Blank | mg/L | | ND | <1.8 | |
| | | | LCS | mg/L | 20.00 | 108 % | 90-110 | |
| | | | MS | mg/L | 40.00 | 103 % | 85-119 | |
| | | (SP 1711221-001) | MSD | mg/L | 40.00 | 103 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 0.4% | ≤19 | |
| | | | MS | mg/L | 40.00 | 90.4 % | 85-119 | |
| | | (VI 1744808-001) | MSD | mg/L | 40.00 | 88.7 % | 85-119 | |
| | | | MSRPD | mg/L | 10.00 | 0.9% | ≤19 | |
| | 300.0 | 09/15/17:214206MCA | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 108 % | 90-110 | |
| | | | CCB | mg/L | | 0.000 | 0.5 | |
| | | | CCV | mg/L | 20.00 | 107 % | 90-110 | |

**Definition**

| | |
|---|---|
| CCV | : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. |
| CCB | : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. |
| Blank | : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. |
| LCS | : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. |
| MS | : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| MSD | : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery. |
| Dup | : Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis. |
| MSRPD | : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. |
| ND | : Non-detect - Result was below the DQO listed for the analyte. |
| DQO | : Data Quality Objective - This is the criteria against which the quality control data is compared. |



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