



Malibu Civic Center Wastewater Treatment Facility

2016 Annual Baseline Groundwater + Surface Water Monitoring Report



Rincon Consultants Inc.
February 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

February 28, 2017
Project 15-01587

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

**Subject: 2016 Annual 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 2016 Annual 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 any 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 2016 Annual Baseline Groundwater and Surface Water Monitoring Report.

Sincerely,

RINCON CONSULTANTS, INC.

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



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

A handwritten signature in blue ink, appearing to read "Peter Shellenbarger".

Peter Shellenbarger, MESM
Environmental Scientist

"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 1st day of March at 2017



Signature

Environmental Sustainability Director

Title



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1.0 INTRODUCTION

This report presents the results of the 2016 Annual 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, groundwater 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 2016

The following activities were completed during the 2016 calendar year:

- Prepared and submitted the Fourth Quarter 2015, Annual 2015, First Quarter 2016, Second Quarter 2016, and Third Quarter 2016 Groundwater and Surface Water Monitoring Reports to the LARWQCB.
- Rincon collected and analyzed groundwater samples for MRP compliance (Task I) Third Quarter 2016.
- Rincon collected and analyzed surface water samples for MRP compliance (Task I) First Quarter 2016, Second Quarter 2016, Third Quarter 2016, and Fourth Quarter 2016.
- Rincon collected and analyzed groundwater samples for SNMP compliance (Task III) First Quarter 2016 and Third Quarter 2016.
- Rincon collected and analyzed groundwater samples for MOU compliance (Task IV) First Quarter 2016 and Third Quarter 2016.
- Rincon measured depth to water in the groundwater monitoring wells monthly throughout the 2016 calendar year (Task V).

5.0 GROUNDWATER ELEVATIONS AND GRADIENTS

Rincon measured the depth to water monthly in 46 groundwater monitoring wells using an electronic water level indicator throughout the 2016 calendar year (Table 1 and Appendix A). Of the 46 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.

5.1 SHALLOW ZONE

Groundwater elevations ranged from 1.31 feet above mean sea level (amsl) in groundwater monitoring well CCPE to 19.93 feet amsl in groundwater monitoring well EC-RC-MW01 (Table 1). The groundwater elevations fluctuated throughout the year when comparing monthly groundwater monitoring wells' elevations; however, a decreasing trend in groundwater elevations was observed throughout the Civic Center area in 2016. Groundwater elevation decreased a maximum of 6.02 feet amsl in groundwater monitoring well CCPE and increased a maximum 2.01 feet amsl in groundwater monitoring well SMBRP-6 and MCBMW-7. Groundwater monitoring wells in close proximity to Malibu Creek and Lagoon (C-1, C-2, CCPNE, CCPE, CCPSW, P-9, MCWP-MW10, SMBRP-2, SMBRP-6) recorded the largest groundwater elevation fluctuations; seasonal variability (precipitation and Malibu Creek and Lagoon upstream hydrological contributions) appear to strongly influence these shallow groundwater wells.

An annual average groundwater gradient of 0.0027 feet/foot was calculated using monthly groundwater gradients derived 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 14.



5.2 DEEP ZONE

Groundwater elevations ranged from 4.40 feet amsl in groundwater monitoring well MCWP-MW07D to 10.62 feet amsl in groundwater monitoring well MCWP-MW09 (Table 1). Groundwater elevation decreased a maximum of 1.73 feet amsl in groundwater monitoring well MCWP-MW07D and increased a maximum 1.30 feet amsl in groundwater monitoring well MCWP-MW03 when comparing monthly groundwater elevations throughout 2016. No clear trends in deep zone groundwater elevations were observed in monitored lower aquifer groundwater wells.

5.3 WINTER CANYON

Groundwater elevations ranged from 9.64 feet amsl in groundwater monitoring well SMBRP-11 to 50.86 feet amsl in groundwater monitoring well LAMW-5S (Table 1). Groundwater elevation decreased a maximum of 0.74 feet amsl in groundwater monitoring well SMBRP-11 and increased a maximum 1.08 feet amsl in groundwater monitoring well LAMW-5S when comparing monthly groundwater elevations throughout 2016. No clear trends in groundwater elevations were observed in monitored Winter Canyon groundwater wells.

6.0 WATER QUALITY SAMPLING AND ANALYSIS

6.1 SURFACE WATER SAMPLING METHODOLOGY

During each quarterly surface water sampling event (March 18, 2016, June 16, 2016, September 23, 2016, and December 20, 2016) 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, total dissolved solids (TDS), phosphorous, nitrate (as nitrogen), nitrite (as nitrogen), ammonia, organic nitrogen, and total Kjeldahl nitrogen (TKN). All surface water monitoring locations and corresponding laboratory analysis are shown in the Surface Water Analysis Matrix (Table 2).

6.2 GROUNDWATER SAMPLING METHODOLOGY

Two groundwater sampling events took place during the 2016 calendar year; first event from March 15 to March 17, 2016 and second event from September 19 to September 22, 2016. A total of sixteen and fifteen groundwater samples were collected from the first and second sampling events, respectively. Prior to sampling, a minimum of three casing volumes were purged from



each well by 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, whichever 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 a cooler 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 2016 calendar year were analyzed by FGL. The laboratory analytical results for each quarterly monitoring event included constituents listed in Table 3. Laboratory reports are included as Appendix B of this report.

6.3.1 Total Coliform

During 2016 quarterly surface water monitoring events total coliform concentrations in the near shore ranged from less than 1.8 Most Probable Number per 100 milliliters (MPN/100 mL) at N-001, N-002, and N-003 to 240 MPN/100 mL at N-002 with an average concentration of 44.9 MPN/100 mL. Total coliform concentrations in the surface water of Malibu Creek and Lagoon ranged from 7.8 MPN/100 mL at L-005 and L-006 to greater than 1600 MPN/100 mL at L-001 and L-002 with an average concentration of 231.1 MPN/100 mL.

6.3.2 Fecal Coliform

During 2016 quarterly surface water monitoring events fecal coliform concentrations in the near shore ranged from less than 1.8 MPN/100 mL at all sampling locations to 79 MPN/100 mL at N-003 with an average concentration of 34.2 MPN/100 mL. Fecal coliform concentrations in the Malibu Creek and Lagoon surface water ranged from 2 MPN/100 mL at L-002 and L-004 to 350 MPN/100 mL at L-005 with an average concentration of 55.9 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 the near shore sampling locations were less than or equal to 0.1 milligrams per liter (mg/L), the analytical practical quantification limit (reporting limit). Nitrate as nitrogen concentrations in surface water samples collected at Malibu Creek and Lagoon sampling locations ranged from less than 0.1 mg/L at all sampling locations to 3.2 mg/L at L-001 with an average concentration of 1.3 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 2016 calendar year were not detected above the reporting limit of 0.2 mg/L.

TKN concentrations in surface water samples collected at the near shore sampling locations during the 2016 calendar year were only detected above the reporting limit of 0.5 mg/L on March 18, 2016 at sampling locations N-001 and N-003 with concentrations of 0.937 mg/L and 0.865 mg/L, respectively. TKN concentrations detected in surface water samples collected at Malibu Creek and Lagoon sampling locations during the 2016 calendar year ranged from less than 0.5 mg/L at all sampling locations to 1.99 mg/L at sampling location L-001 with an average concentration of 1.034 mg/L.

Organic nitrogen concentrations in surface water samples collected at the near shore sampling locations during the 2016 calendar year were only detected above the reporting limit of 0.5 mg/L on March 18, 2016 at sampling locations N-001 and N-003 with concentrations of 0.937 mg/L and 0.865 mg/L, respectively. Organic nitrogen concentrations detected in surface water samples collected at the Malibu Creek and Lagoon sampling locations during the 2016 calendar year ranged from less than 0.5 mg/L at all sampling locations to 1.99 mg/L at sampling location L-001 with an average concentration of 1.066 mg/L.



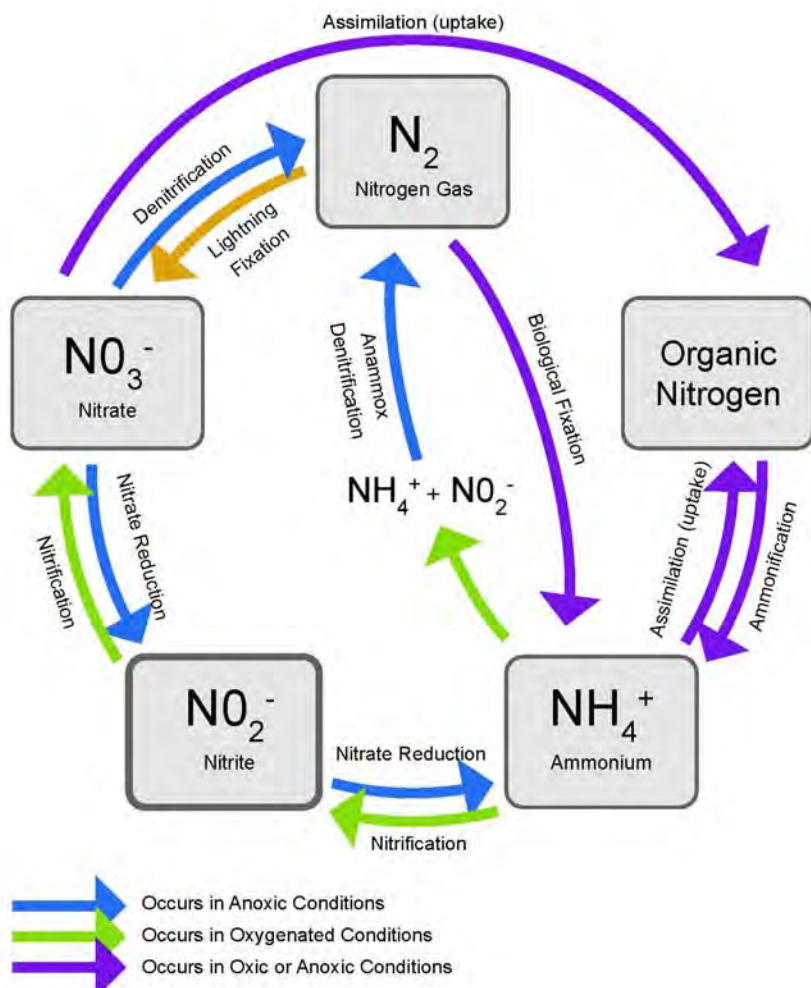


Figure 15. The Nitrogen Cycle

6.3.4 Total Phosphorous

Total phosphorus concentrations detected in surface water samples collected at the near shore sampling locations during the 2016 calendar year ranged from less than 0.1 mg/L at sampling location N-003 to 1.97 mg/L at sampling location N-001 with an average concentration of 1.170 mg/L. Total phosphorus concentrations detected in surface water samples collected at Malibu Creek and Lagoon during the 2016 calendar year ranged from less than 0.1 mg/L at L-002, L-003, L-004, L-005, L-006 to 0.984 mg/L at L-003 with an average concentration of 0.456 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 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 2016 calendar year were analyzed by FGL (March 15 to March 17, 2016 monitoring event, September 19 to September 22, 2016 monitoring event). The laboratory analytical results for each monitoring event included constituents listed in Table 4 as well as other constituents in laboratory reports. Laboratory reports are included as Appendix B of this report.

6.4.1 Total Coliform

During March and September monitoring events, total coliform concentrations in groundwater wells ranged from less than 1.8 MPN/100 mL to greater than 1,600 MPN/100 mL with an average concentration of 122.95 MPN/100 mL. Total coliform was detected above practical quantification limits in half of the groundwater wells monitored in 2016 (CCPE, MCWP-MW-10, MCWP-MW07S, MCWP-MW04S, MBCMW-9, SMBRP-9, SMBRP-7B, and LAMW-5S).

6.4.2 Fecal Coliform

Fecal coliform concentrations in groundwater wells were only detected above 1.8 MPN/100 mL (practical quantification limit) during the March 2016 monitoring event. Three groundwater monitoring wells detected fecal coliform bacteria; LAMW-5S (350 MPN/100 mL), SMBRP-7B (11 MPN/100 mL), and CCPE (4.5 MPN/100 mL).

6.4.3 Nitrogen

6.4.3.1 Nitrate as Nitrogen

During March and September monitoring events, nitrate as nitrogen ranged from less than 0.1 mg/L at multiple locations to 19.1 mg/L with an average concentration of 4.03 mg/L. Groundwater wells LAMW-5S and SMBRP-9 had the highest detected nitrate as nitrogen concentrations of 8.2 mg/L and 15.1 mg/L in March, respectively, and 12.4 mg/L and 19.1 mg/L in September, respectively.

6.4.3.2 Other forms of Nitrogen

During March and September monitoring events, nitrite as nitrogen was detected above the laboratory detection limit of 0.1 mg/L once with a detected concentration of 0.24 mg/L at MCWP-MW07S (March event). Ammonia concentrations detected during March and September monitoring events ranged from less than 0.2 mg/L at multiple groundwater wells to 8.85 mg/L at SMBRP-12 with an average concentration of 2.59 mg/L.

Organic nitrogen concentrations ranged from less than 0.5 mg/L at all groundwater wells except MCWP-MW04S and MBCMW-9 to 2.9 mg/L at SMBRP-12 with an average concentration of 1.26 mg/L. TKN concentrations ranged from less than 0.5 mg/L at multiple groundwater monitoring wells to 8.57 mg/L at SMBRP-12 with an average concentration of 2.57 mg/L.



6.4.4 Total Phosphorous

During March and September monitoring events total phosphorus concentrations in groundwater samples analyzed ranged from less than 0.1 mg/L at multiple locations to 9.43 mg/L at LAMW-5S with an average concentration of 1.61 mg/L.

6.4.5 Total Dissolved Solids

Total Dissolved Solids (TDS) concentrations in groundwater samples analyzed during the 2016 calendar year ranged from 713 mg/L at LAMW-5S to 27,500 mg/L at SMBRP-13 with an average concentration of 3,441 mg/L.

6.4.6 Boron

During the 2016 calendar year boron concentrations in groundwater samples analyzed ranged from 0.248 mg/L at LAMW-5S to 2.25 mg/L at MCWP-MW04S with an average concentration of 0.8 mg/L.

6.4.7 Sulfate

During the 2016 calendar year sulfate concentrations in groundwater samples analyzed ranged from 200 mg/L at LAMW-5S to 2,980 mg/L at MCWP-MW04S with an average concentration of 783 mg/L.

6.4.8 Chloride

During the 2016 calendar year chloride concentrations in groundwater samples analyzed ranged from 125 mg/L at LAMW-5S to 3,140 mg/L at SMBRP-12 with an average concentration of 782 mg/L.

6.4.9 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 2017

The following activities will be completed during 2017:

- Rincon will collect and analyze groundwater samples annually for MRP compliance (Task I).
- Rincon will collect and analyze surface water samples quarterly for MRP compliance (Task I).
- Rincon will collect and analyze groundwater samples semi-annually for SNMP compliance (Task III).
- Rincon will collect and analyze groundwater samples semi-annually for MOU compliance (Task IV).
- Rincon will measure depth to water in the groundwater monitoring wells on a monthly basis (Task V).



- Rincon will prepare and submit the Fourth Quarter 2016, 2016 Annual, First Quarter 2017, Second Quarter 2017, and Third Quarter 2017 Groundwater and Surface Water Monitoring Reports to the LARWQCB.

8.0 SUMMARY OF MONITORING ACTIVITIES

A decreasing trend in shallow groundwater elevations was observed throughout the Civic Center area. Shallow groundwater generally flowed southeast to south, towards the coastline with an annual average groundwater gradient of 0.0027 feet/foot.

During 2016 quarterly monitoring events total coliform concentrations in the near shore surface water ranged from less than 1.8 MPN/100 mL to 240 MPN/100 mL with an average concentration of 44.9 MPN/100 mL. Total coliform concentrations in the surface water of Malibu Creek and Lagoon ranged from 7.8 MPN/100 mL to greater than 1600 MPN/100 mL with an average concentration of 231.1 MPN/100 mL. Based upon limited monitoring data from the 2016 calendar year, it appears total and fecal coliform bacteria concentrations are highest in the winter months (November 1 – March 31) in Malibu Creek and Lagoon.

Fecal coliform concentrations in the near shore surface water ranged from less than 1.8 MPN/100 mL to 79 MPN/100 mL with an average concentration of 34.2 MPN/100 mL. Fecal coliform concentrations in Malibu Creek and Lagoon surface water ranged from 2 MPN/100 mL to 350 MPN/100 mL with an average concentration of 55.9 MPN/100 mL. No total or fecal coliform bacteria concentration trends were observed during the 2016 calendar year.

Nitrate as nitrogen concentrations in all surface water samples collected at the near shore sampling locations were less than or equal to 0.1 mg/L, the analytical practical quantification limit. Nitrate as nitrogen concentrations in surface water samples collected at Malibu Creek and Lagoon sampling locations ranged from less than 0.1 mg/L to 3.2 mg/L with an average concentration of 1.3 mg/L.

During March and September groundwater monitoring events, total coliform was detected above practical quantification limits in half of the groundwater wells (CCPE, MCWP-MW-10, MCWP-MW07S, MCWP-MW04S, MBCMW-9, SMBRP-9, SMBRP-7B, and LAMW-5S) with concentrations ranging from 1.8 MPN/100 mL to greater than 1,600 MPN/100 mL with an average concentration of 122.95 MPN/100 mL.

Fecal coliform concentrations in groundwater wells were only detected above 1.8 MPN/100 mL (practical quantification limit) in three groundwater monitoring wells during the 2016 calendar year (LAMW-5S, SMBRP-7B, and CCPE - March event).

During March and September monitoring events, nitrate as nitrogen ranged from less than 0.1 mg/L to 19.1 mg/L with an average concentration of 4.03 mg/L. All groundwater wells had detected concentrations below 2.5 mg/L, except LAMW-5S, SMBRP-9, and MCWP - MW07S.

Total Dissolved Solids (TDS) concentrations in groundwater samples analyzed during the 2016 calendar year ranged from 713 mg/L at LAMW-5S to 27,500 mg/L at SMBRP-13 with an average concentration of 3,441 mg/L.



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
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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
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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	Depth to Water (ft bTOC)	Groundwater Elevation
CCPE	8/24/2015	12.935	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
CCPNE	8/24/2015	13.675	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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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
CCW-4	8/24/2015	15.765	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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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	-
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	-

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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	-
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	-

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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	-
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	-

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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	-
MBCM7-7	8/24/2015	16.635	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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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
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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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
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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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
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	4.21
	11/18/2016		7.27	4.94
	12/19/2016		8.57	3.64

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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	-
P-4	8/24/2015	12.155	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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	Depth to Water (ft bTOC)	Groundwater Elevation
P-9	8/24/2015	12.165	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
SMBRP-2	8/24/2015	13.131	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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-6	8/24/2015	26.875	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
SMBRP-7B	8/24/2015	18.985	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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	Depth to Water (ft bTOC)	Groundwater Elevation
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
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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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
SMBRP-12	8/24/2015	12.615	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

Table 1
Groundwater Elevations
Malibu Civic Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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
SMBRP-15B	8/24/2015	16.765	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	-

Table 1
Groundwater Elevations
Malibu Civic Water Water Treatment Facility, Malibu, CA

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-16	8/24/2015	14.5	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

Notes:

N/A: well not accessible

'-': no data available

TOC: top of well casing

ft bTOC: feet below top of well casing

ft amsl: feet above mean sea level

Table 1
Groundwater Elevations
Malibu Civic Water Water Treatment Facility, Malibu, CA

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW01	8/24/2015	17.9	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	6.6
	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
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	7.9
	12/19/2016		10.82	7.24

Table 1
Groundwater Elevations
Malibu Civic Water Water Treatment Facility, Malibu, CA

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW03	8/24/2015	15.31	7.65	7.66
	9/21/2015		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
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	5.1
	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

Table 1
Groundwater Elevations
Malibu Civic Water Water Treatment Facility, Malibu, CA

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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	-
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

Table 1
Groundwater Elevations
Malibu Civic Water Water Treatment Facility, Malibu, CA

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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	4.4
	11/18/2016		7.54	5.67
	12/19/2016		7.99	5.22
MCWP-MW09	8/24/2015	16.3	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

Notes:

N/A: well not accessible

'-': no data available

TOC: top of well casing

ft bTOC: feet below top of well casing

ft amsl: feet above mean sea level

Table 1
Groundwater Elevations
Malibu Civic Water Water Treatment Facility, Malibu, CA

Winter Canyon Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft amsl)	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
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

Notes:

N/A: well not accessible

'-': no data available

TOC: top of well casing

ft bTOC: feet below top of well casing

ft amsl: feet above mean sea level

Table 2
Baseline Groundwater and Surface Water Analysis Matrix
Malibu Civic Waste Water Treatment Facility, Malibu, CA

Groundwater	Baseline GW/SW Monitoring SGMP MOU	Baseline GW/SW Monitoring SGMP MOU	Baseline GW/SW Monitoring SGMP MOU	SGMP MOU	SGMP MOU	SGMP MOU	SGMP MOU	SGMP MOU	Baseline GW/SW Monitoring SGMP MOU	Baseline GW/SW Monitoring SGMP MOU	Baseline GW/SW Monitoring SGMP MOU	Baseline GW/SW Monitoring SGMP MOU	Baseline GW/SW Monitoring SGMP MOU	SGMP	SGMP	Baseline GW/SW Monitoring SGMP MOU
Laboratory Analysis	LAMW-5S	SMBRP-9	SMBRP-12	SMBRP-13	MCWP-MW10	CCPE	MBCMw-9	WF-MW-2	MCWP-MW-04S	MCWP-MW-04D	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)	✓	N/A	N/A	N/A	✓ (TDS only)	✓ (TDS only)	N/A	N/A	✓	✓	✓	✓	N/A	✓ (TDS only)	✓ (TDS only)	N/A
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)	✓	N/A	N/A	N/A	-	-	N/A	N/A	✓	✓	✓	✓	N/A	-	-	N/A
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)	✓	N/A	N/A	N/A	-	-	N/A	N/A	✓	✓	✓	✓	N/A	-	-	N/A
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)	✓				-	-			✓	✓	✓	✓				
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 metals above)	✓				-	-			✓	✓	✓	✓				
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)	✓				-	-			✓	✓	✓	✓				
Constituents of Emerging Concern in Attachment C of MRP CI 10042																
17β-Estradiol	✓	N/A	N/A	N/A	-	-	N/A	N/A	✓	✓	✓	✓	N/A	-	-	N/A
Caffeine	✓				-	-			✓	✓	✓	✓				
n-Nitrosodimethylamine (NDMA)	✓				-	-			✓	✓	✓	✓				
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), copper, lead, mercury, nickel, selenium, silver, thallium, zinc) (included in cost above)	✓	N/A	N/A	N/A	-	-	N/A	N/A	✓	✓	✓	✓	N/A	-	-	N/A
Chromium VI	✓				-	-			DS	✓	✓	✓				
Cyanide (included above)	✓				-	-			✓	✓	✓	✓				
Asbestos (included above)	✓				-	-			✓	✓	✓	✓				
2,3,7,8-TCDD (included above)	✓				-	-			✓	✓	✓	✓				
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
DS: Dropped sample
- : Sampling & analysis not required
N/A: No access

Table 3
Surface Water Quality Analytical Results
Malibu Civic Waste Water Treatment Facility, Malibu, CA

Location	Monitoring Depth	Well 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
		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	1.420
			6/16/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	1.030
			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
		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
		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

Table 3
Surface Water Quality Analytical Results
Malibu Civic Waste Water Treatment Facility, Malibu, CA

Location	Monitoring Depth	Well 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
		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
		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
		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
		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
		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

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)

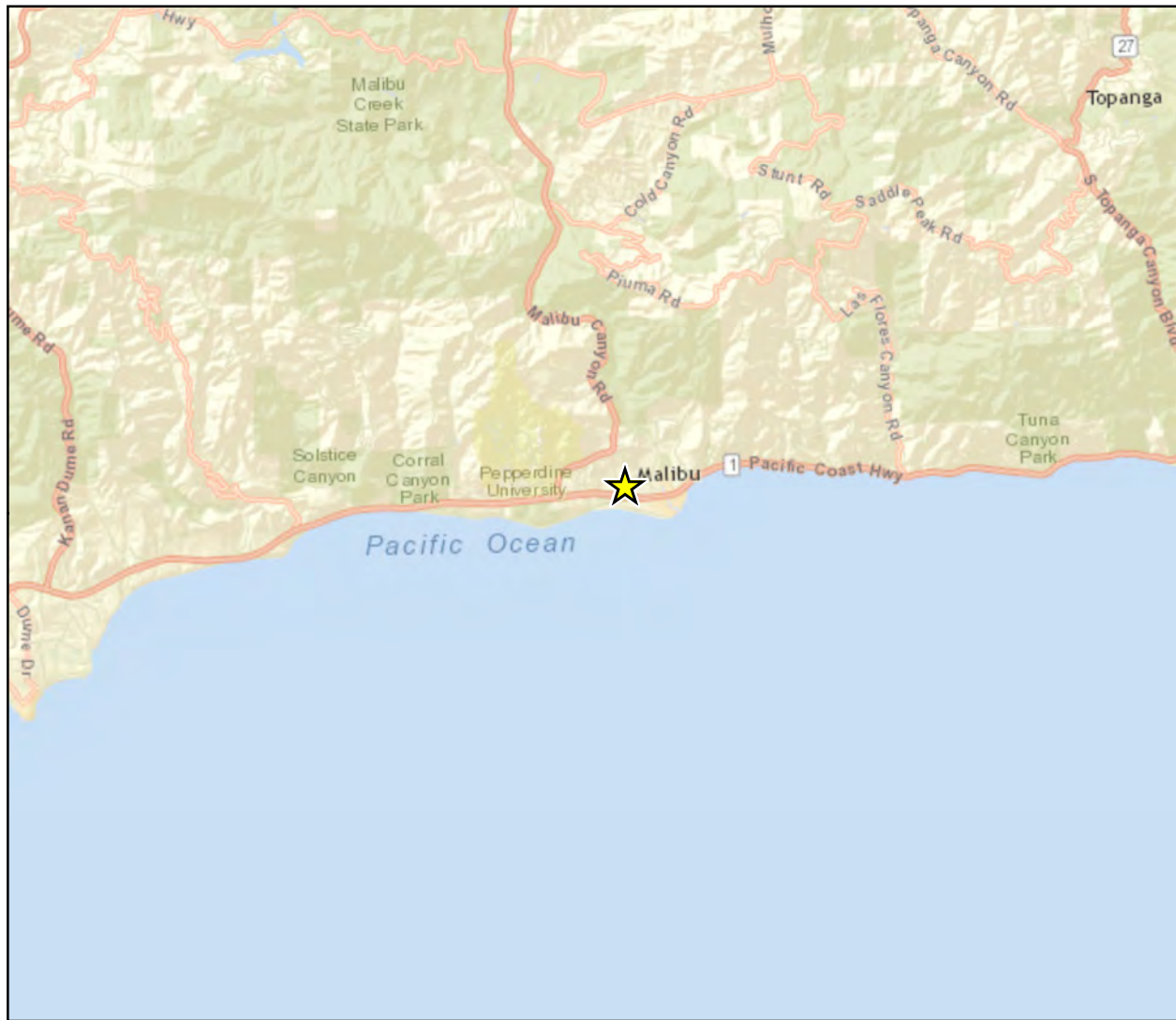
Table 4
Groundwater Analytical Results
Malibu Civic Center Water Treatment Facility, Malibu, CA

			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
SMBRP-7B	25 feet	12/15/2015	11	<1.8	-	<0.1	-	<0.1	<0.5	<0.2	0.552	-	0.478	-	-	3090	-
		3/15/2016	110	11	-	<0.1	-	<0.1	1.37	<0.2	1.37	-	0.916	-	-	1400	-
		9/20/2016	<1.8	<1.8	-	<0.1	-	<0.1	<0.5	0.215	0.618	-	0.445	-	-	3920	-
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	2100	309
		3/15/2016	<1.8	<1.8	-	<0.1	-	15.1	<0.5	<0.2	<0.5	-	0.462	-	-	2100	-
		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	1940	213
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	2140	478
		3/15/2016	<1.8	<1.8	-	<0.1	-	<0.1	2.9	5.67	8.57	-	1.43	-	-	2290	-
		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	7930	3140
SMBRP-13	19 feet	12/15/2015	4.5	<1.8	-	<0.1	-	<0.1	<0.5	0.2	<0.5	-	0.316	-	-	1810	-
		3/15/2016	<1.8	<1.8	-	<0.1	-	<0.1	0.556	0.884	1.44	-	0.461	-	-	27500	-
		9/21/2016	<1.8	<1.8	-	<0.1	-	0.1	<0.5	<0.2	<0.5	-	<0.1	-	-	3320	-
MBCMW-9	9 feet	9/23/2015	well was 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 was dry at time of sampling														
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	6510	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	-	-	6320	-
		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	6750	744
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	1630	216
		3/17/2016	<1.8	<1.8	-	<0.1	-	1.7	<0.5	<0.2	<0.5	-	<0.1	-	-	1600	-
		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	1550	232

Table 4
Groundwater Analytical Results
Malibu Civic Center Water Treatment Facility, Malibu, CA

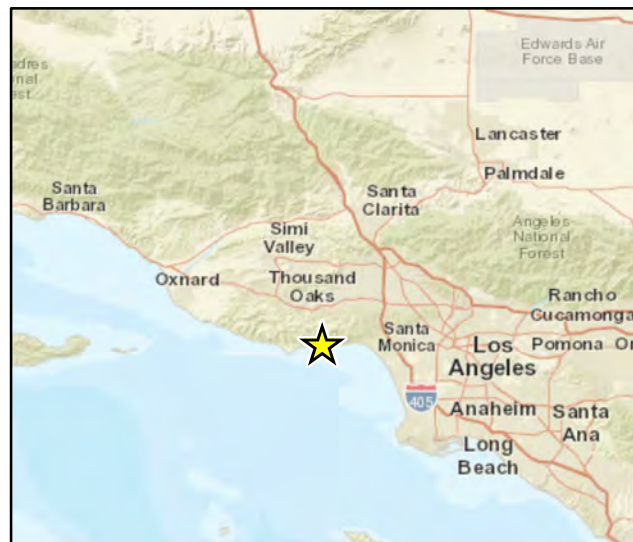
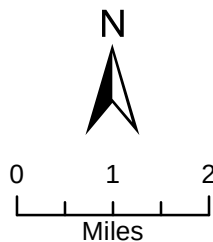
			Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)												
Well ID	Well Depth (BGS)	Sample Date	Total	Fecal	Nitrate as NO ₃	Nitrite Nitrogen	Nitrate + Nitrite as N	Nitrate Nitrogen	Nitrogen, Organic	Ammonia Nitrogen	Kjeldahl Nitrogen	Nitrogen, Total as Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids (TDS)	Chloride
MCWP-MW05	154 feet	9/23/2015	-	-	-	-	-	2.3	-	-	-	-	-	-	-	1400	-
		3/17/2016	-	-	-	-	-	2.1	-	-	-	-	-	-	-	1400	-
		9/22/2016	-	-	-	-	-	2.2	-	-	-	-	-	-	-	1450	-
MCWP-MW06	138 feet	9/23/2015	-	-	-	-	-	0.2	-	-	-	-	-	-	-	1590	-
		3/16/2016	-	-	-	-	-	0.1	-	-	-	-	-	-	-	1520	-
		9/21/2016	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	1550	-
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	1230	227
		3/16/2016	49	<1.8	-	0.24	-	4.8	<0.5	<0.2	<0.5	-	2.39	-	-	1180	-
		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	1160	217
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	2300	348
		3/16/2016	<1.8	<1.8	-	<0.1	-	<0.1	1.15	<0.2	1.15	-	0.239	-	-	2470	-
		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	1680	229
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	2570	723
		3/15/2016	<1.8	<1.8	-	<0.1	-	<0.1	0.84	2.36	3.2	-	0.355	-	-	2410	-
		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	4920	1740
MCWP-MW10	22 feet	9/29/2015	2	<1.8	-	-	-	0.4	<1	<0.2	<1	-	<0.1	-	-	1550	-
		3/15/2016	2	<1.8	-	<0.1	-	0.6	1.28	<0.2	1.28	-	<0.1	-	-	1800	-
		9/20/2016	<1.8	<1.8	-	<0.1	-	0.7	<0.5	<0.2	<0.5	-	<0.1	-	-	1730	-
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	2170	410
		3/16/2016	<1.8	<1.8	-	<0.1	-	<0.1	1.03	0.433	1.46	-	0.758	-	-	2160	-
		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	2290	396
CCPE	52 feet	9/23/2015	>1,600	49	-	-	-	1.4	<1	<0.2	<1	-	<0.1	-	-	1630	-
		3/15/2016	240	4.5	-	<0.1	-	0.9	0.664	<0.2	0.664	-	<0.1	-	-	1800	-
		9/20/2016	540	<1.8	-	<0.1	-	0.9	<0.5	<0.2	<0.5	-	<0.1	-	-	2880	-

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



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★ Project Location



Vicinity Map

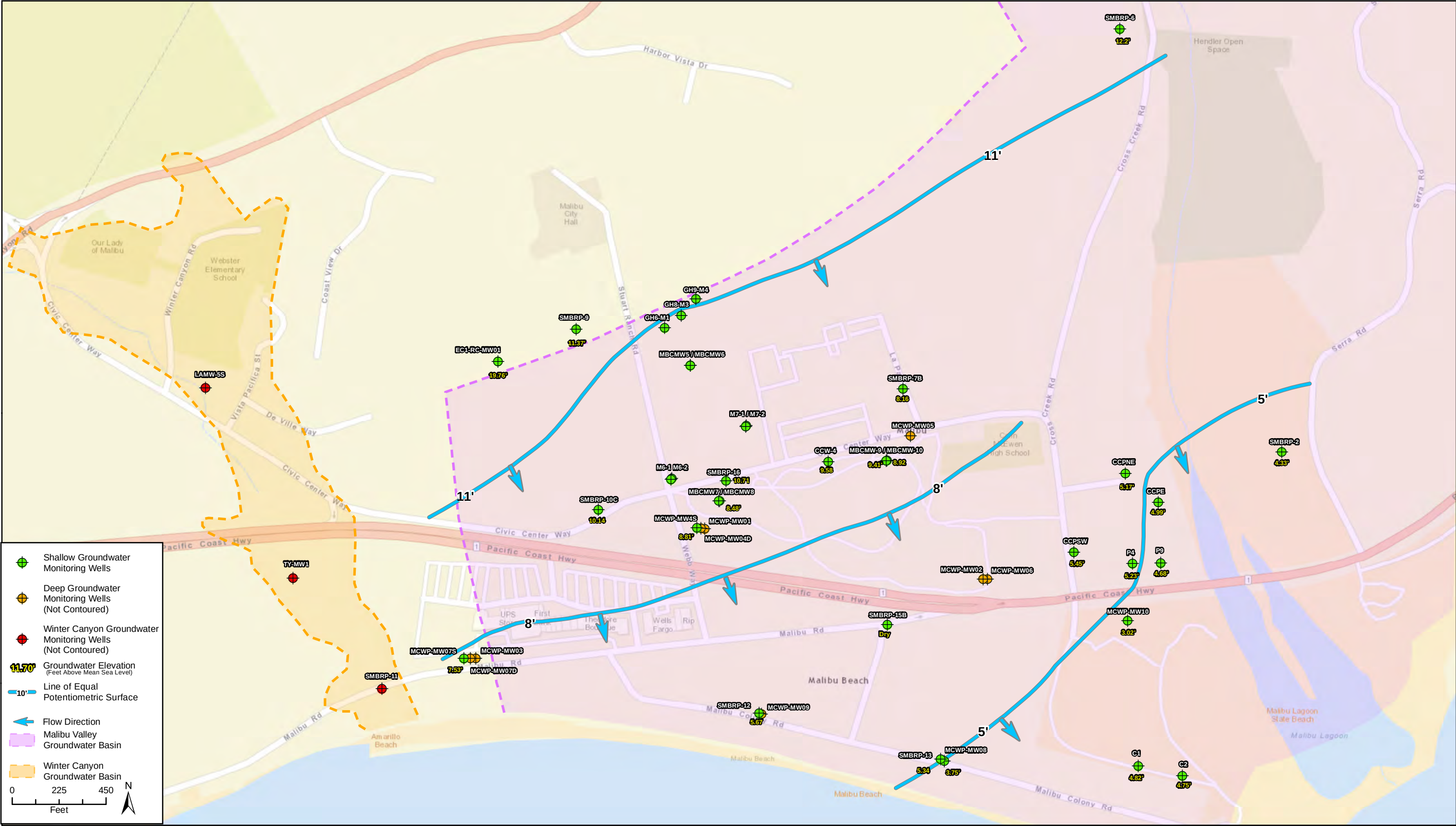
Figure 1



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Site Map

Figure 2
Rincon Consultants Inc.

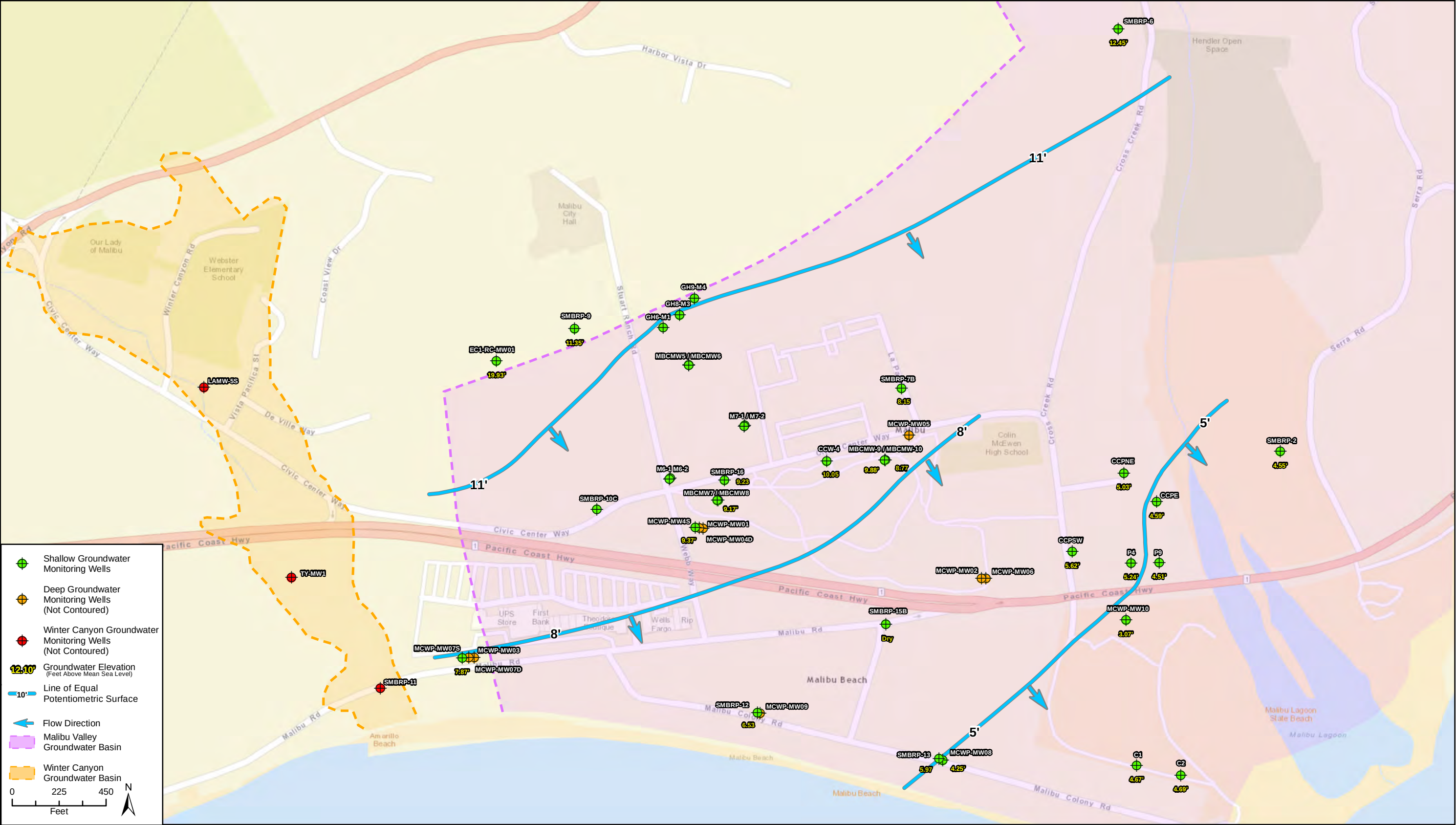


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Shallow Groundwater Elevations
January 2016

Figure 3

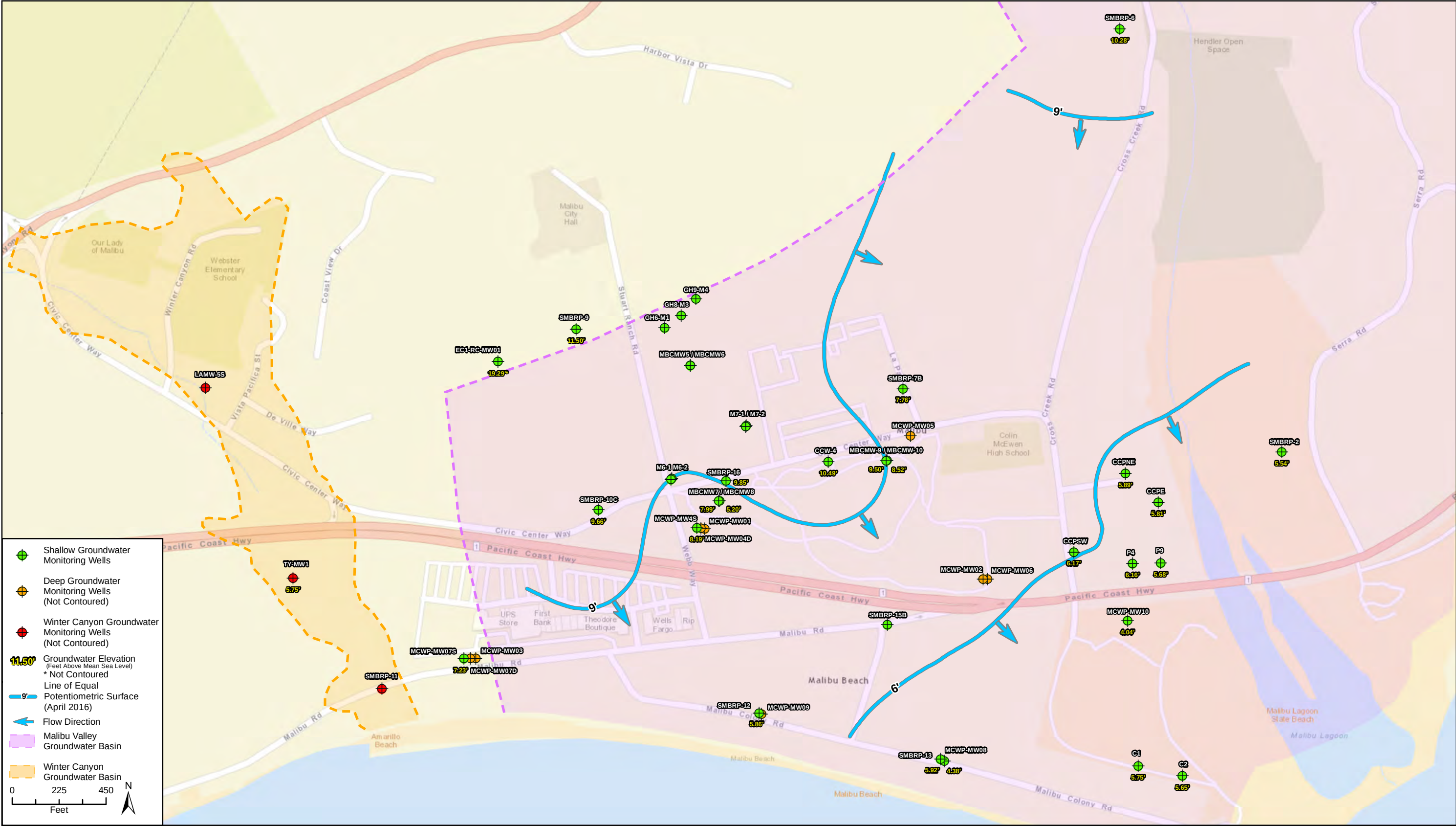
Figure 4



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Shallow Groundwater Elevations
March 2016

Figure 5
Rincon Consultants Inc.

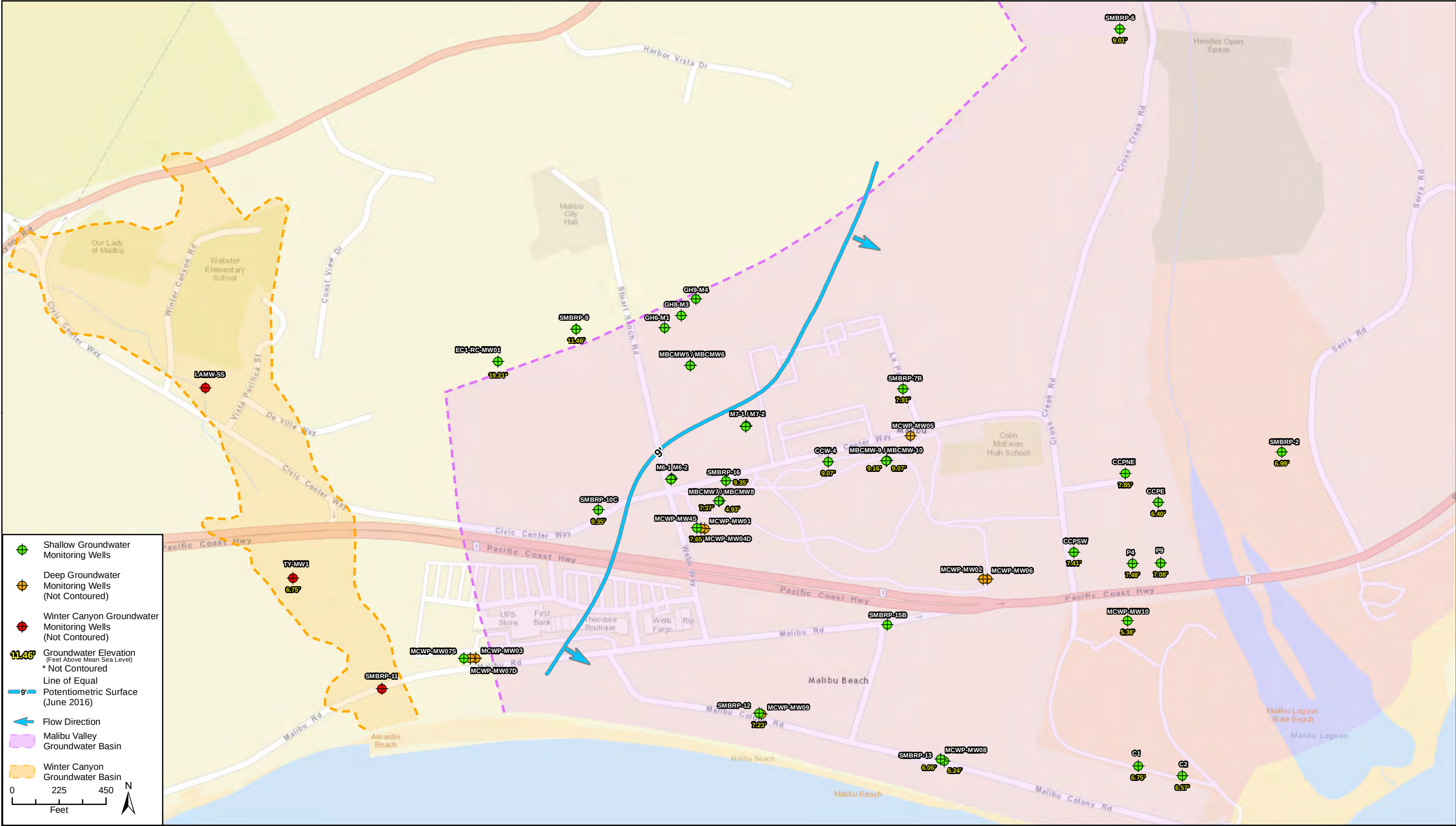


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Shallow Groundwater Elevations
April 2016

Figure 6
Rincon Consultants Inc.

Figure 7



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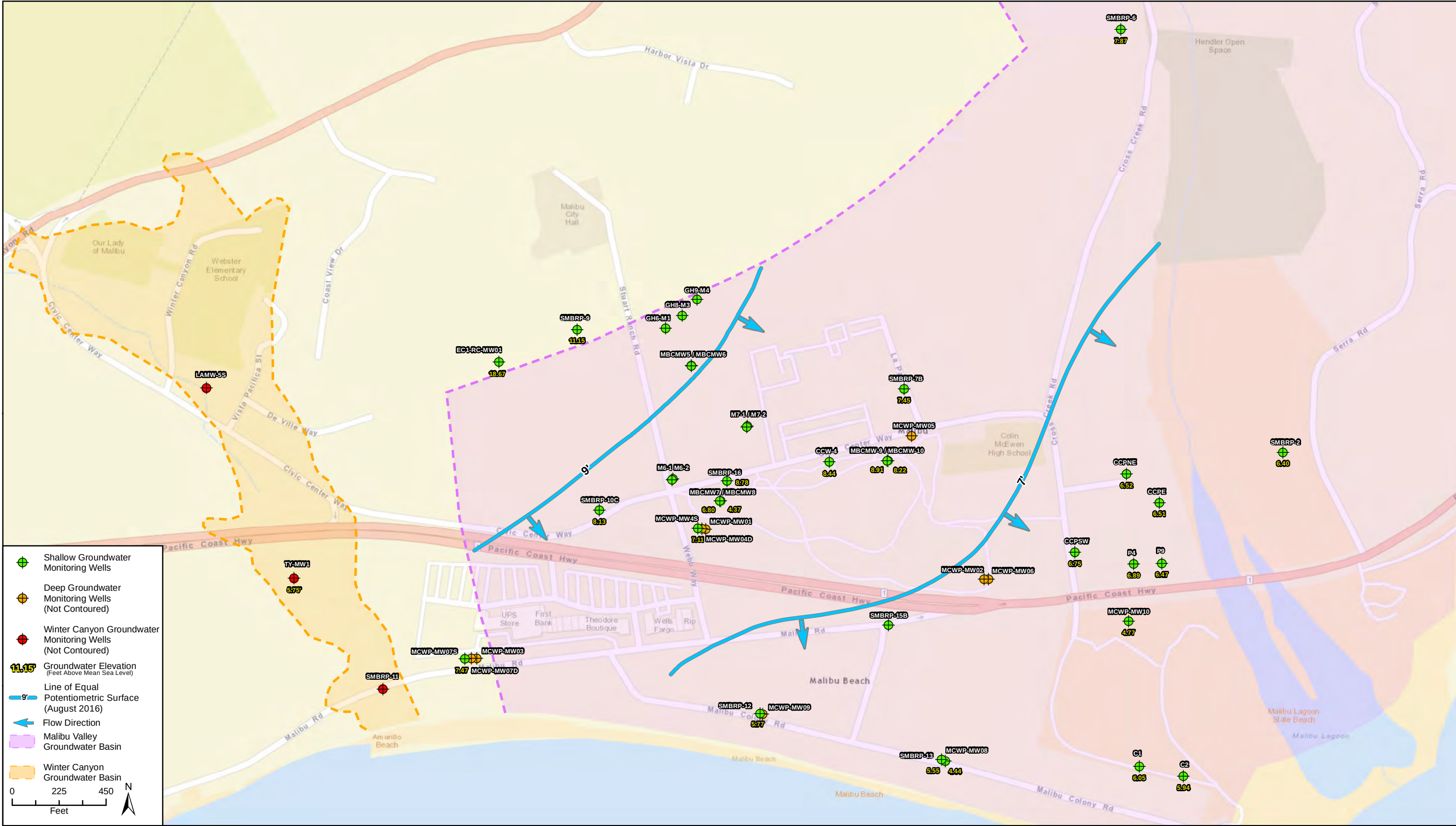
Shallow Groundwater Elevations
June 2016

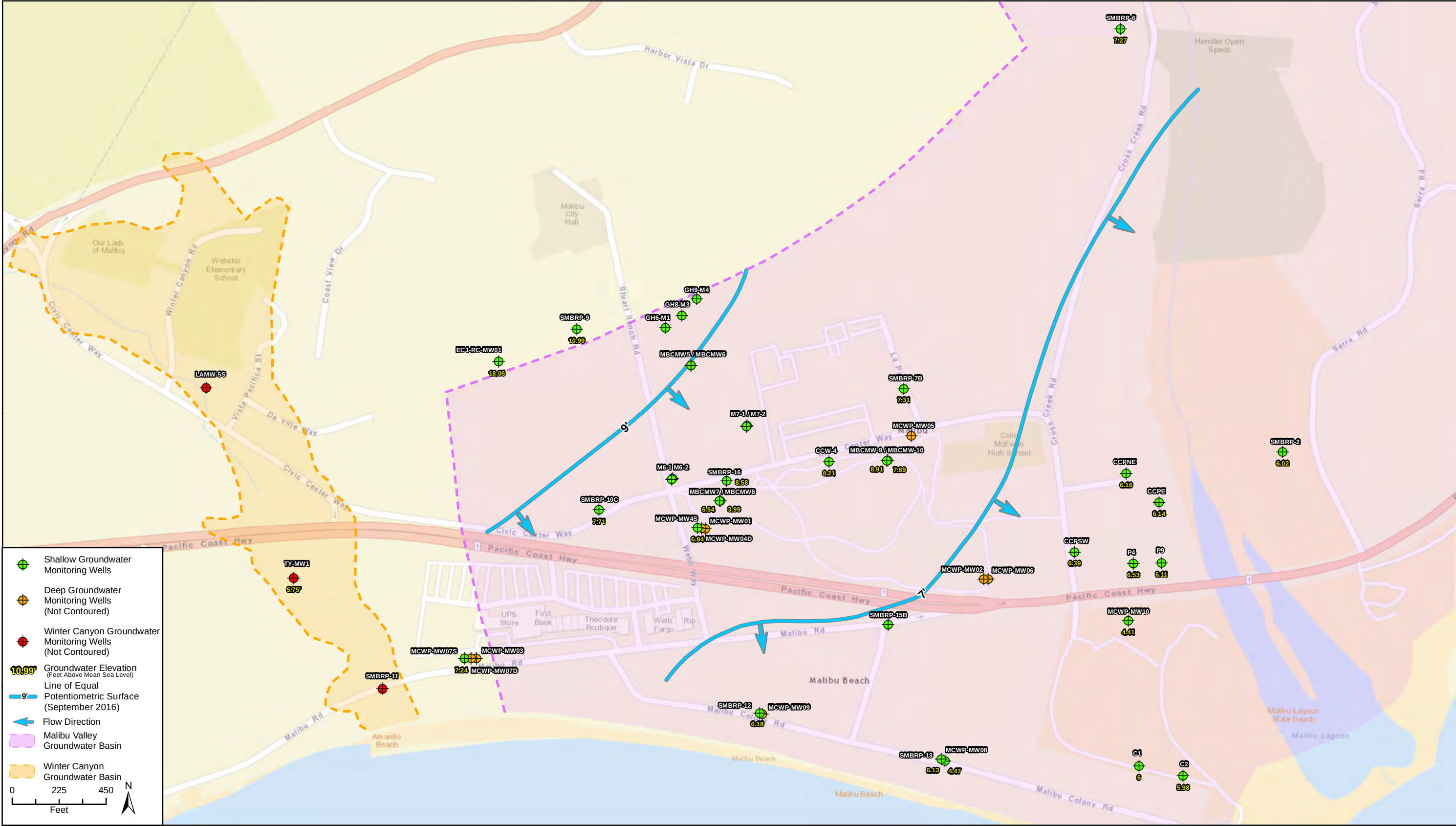
Figure 8



Figure 9

Rincon Consultants Inc.





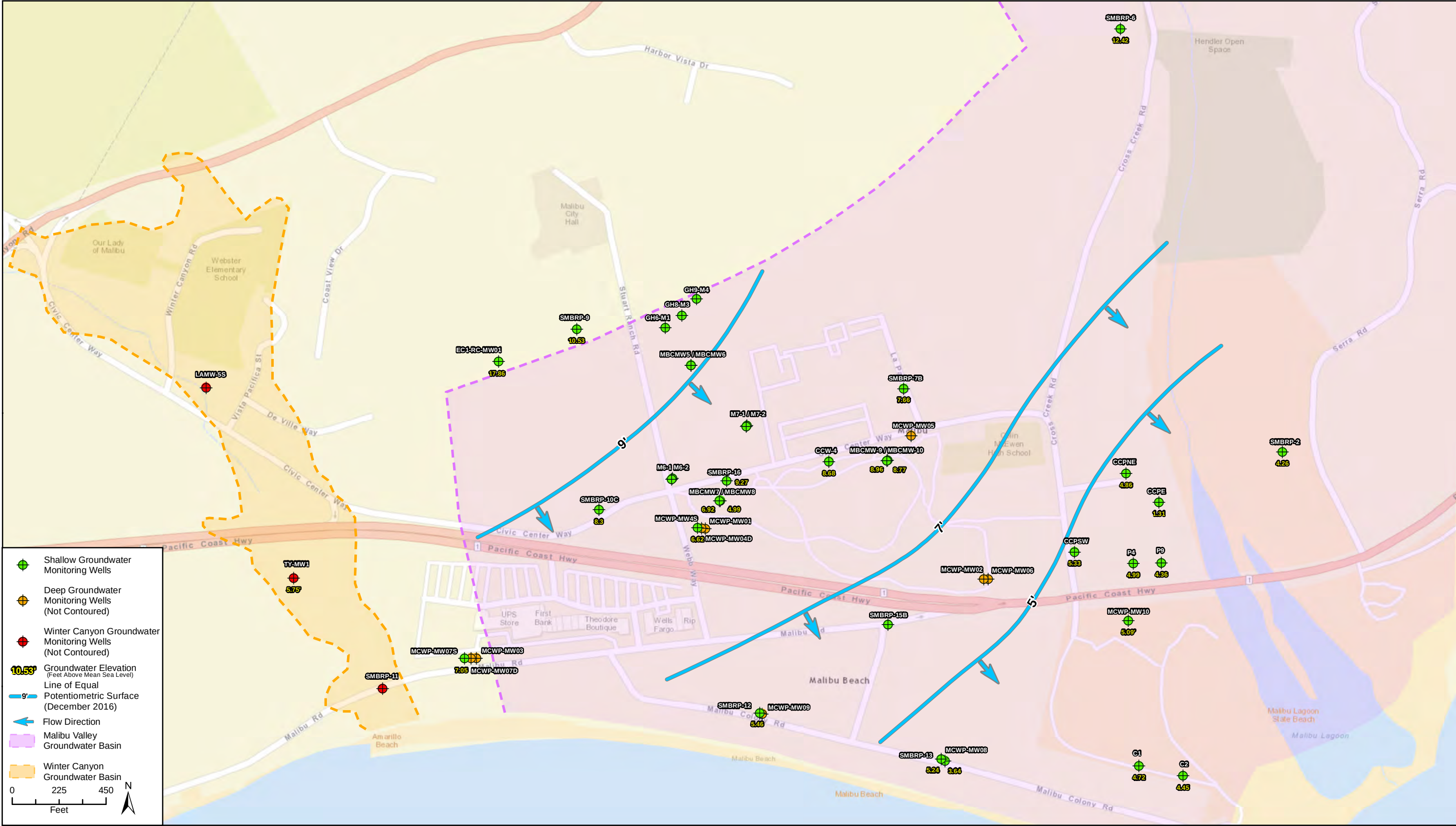
Imagery provided by ESRI and its licensors © 2016.

Shallow Groundwater Elevations
September 2016

Figure 11

Figure 12

Figure 13



Imagery provided by ESRI and its licensors © 2017.

Shallow Groundwater Elevations
December 2016

Figure 14

Appendix A

Groundwater and Surface Water Field Sheets

1-14-16
Peter Shellenbarger
Malibu DTW

Arrive @ Malibu 1045
DTW meter #1
left Malibu @ 091540

Table 1

Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 12/14/2015	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	6.65	1212	n/a
2 C-2	14.5	2	11.19	6.44	1208	5.11
3 CCPE	20	2	12.935	7.95	1245	5.76
4 CCPNE		2	13.675	8.51	1234	6.44
5 CCPSW		2	13.67	8.22	1253	6.29
6 CCW-4		1	15.765	6.19	1119	6.5
7 GH6-M1	35	2		29.49	1438	28.92
8 GH8-M3	40	2		28.92	1433	28.37
9 GH9-M4	45	2		34.54	1429	30.31
10 Lagoon		n/a		N/A		n/a
11 LAMW-5S	20	4	104.55	54.02	1405	53.71
12 ~~M3~~ M7-1	45	2		8.04	1422	6.61
13 ~~M6~~ M7-2	20	2		7.34	1418	5.76
14 ~~M3~~ M6-1	40	2		6.63	1442	8.09
15 ~~M6~~ M6-2	25	2		4.69	1434	7.78
16 MBCMW-5	19.4	n/a	29.03	N/A	N/A	n/a
17 MBCMW-6	64.26	n/a	29.02	N/A	N/A	n/a
18 MBCMW-7	52.5	2	16.635	~~11.39~~ 11.39	1112	11.26
19 MBCMW-8	10	2	16.53	8.05	1108	9.11
20 MBCMW-9	10	2	17.71	8.30	1127	8.7
21 MBCMW-10	53	2	17.74	8.82	1131	8.63
22 MCWP-MW01	148	6		10.45	1348	10.22
23 MCWP-MW02	145	6	18.06	10.68	1330	10.39
24 MCWP-MW03	134	6		8.38	1458	7.65
25 MCWP-MW04D	148	4		9.59	1345	9.35
26 MCWP-MW04S	20	4		6.48	~~1341~~ 1341	7.55
27 MCWP-MW05	158	4		7.82	1124	7.62

Not city of Malibu Well

28	MCWP-MW06	153	2		10.12	1827	9.87
29	MCWP-MW07D	134	2		8.32	1501	7.51
30	MCWP-MW07S	20	2		6.19	1503	6.76
31	MCWP-MW08	77	2		8.46	1525	7.64
32	MCWP-MW09	95	2	16.3	6.37	1531	7.52
33	MCWP-MW10	60	2		8.09	1202	5.7
34	P-4	12.5	4	12.155	6.93	1248	4.58
35	P-9	14.3	4	12.165	7.49	1250	5.07
36	SMBRP-2	25	2	13.131	8.80	1154	6.04
37	SMBRP-6	25	2	26.875	14.68	1141	16.49
38	SMBRP-7b	45	2	18.985	10.83	1135	10.69
39	SMBRP-8 (EG-RC)	60	4		28.93	1100	28.74
40	SMBRP-9	45	2	50.32	38.95	1352	38.24
41	SMBRP-10C	25	2	16.25	6.11	1415	7.37
42	SMBRP-11	20	2	18.35	8.00	1513	8.88
43	SMBRP-12	25	2	12.615	10.95	1530	5.69
44	SMBRP-13	20	2	13.58	8.24	1521	8.32
45	SMBRP-15b	25	1	16.765	Dry	Dry	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	3.79	1105	4.95

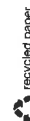
- Lagoon has breached → water level low

- Approach by Efrain Fernandez of Los Angeles County Public Working regarding LAMW-55. He was not aware of City of Malibu sampling "their" well. I directed him to contact Craig George @ City of Malibu.



County of Los Angeles
Department of Public Works
www.dpw.lacounty.gov

EFRAIN FERNANDEZ
Waste Water Treatment Plant Operator
Waterworks & Sewer Maintenance Division



3620 Vista Pacifica Street
Malibu, CA 90265

Office: (310) 456-3436
Cell: (626) 862-3389



2-16-16 Malibu DTW
Arrive onsite @ 1100

Table 1
Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 2/16/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	6.65	1259	n/a
2 C-2	14.5	2	11.19	6.34	1257	5.11
3 CCPE	20	2	12.935	8.27	1321	5.76
4 CCPNE		2	13.675	8.65	1317	6.44
5 CCPSW		2	13.67	8.11	1331	6.29
6 CCW-4		1	15.765	6.17	1158	6.5
7 GH6-M1	35	2		29.56	1425	28.92
8 GH8-M3	40	2		28.96	1422	28.37
9 GH9-M4	45	2		31.12	1418	30.31
10 Lagoon		n/a				n/a
11 LAMW-5S	20	4	104.55	53.69	1100	53.71
12 M6-1	45	2		7.03	1431	6.61
13 M6-2	20	2		5.46	1429	5.76
14 M7-1	40	2		8.36	1410	8.09
15 M7-2	25	2		7.74	1412	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	11.75	1142	11.26
19 MBCMW-8	10	2	16.53	8.66	1138	9.11
20 MBCMW-9	10	2	17.71	8.06	1210	8.7
21 MBCMW-10	53	2	17.74	9.34	1209	8.63
22 MCWP-MW01	148	6		11.02	1351	10.22
23 MCWP-MW02	145	6	18.06	11.13	1338	10.39
24 MCWP-MW03	134	6		8.43	1512	7.65
25 MCWP-MW04D	148	4		10.24	1347	9.35
26 MCWP-MW04S	20	4		7.08	1345	7.55
27 MCWP-MW05	158	4		8.37	1202	7.62

28	MCWP-MW06	153	2		10.58	1336	9.87
29	MCWP-MW07D	134	2		8.32	1515	7.51
30	MCWP-MW07S	20	2		6.75	1521	6.76
31	MCWP-MW08	77	2		8.27	1531	7.64
32	MCWP-MW09	95	2	16.3	6.42	1538	7.52
33	MCWP-MW10	60	2		7.98	12:48	5.7
34	P-4	12.5	4	12.155	6.88	1329	4.58
35	P-9	14.3	4	12.165	7.53	1326	5.07
36	SMBRP-2	25	2	13.131	8.54	1240	6.04
37	SMBRP-6	25	2	26.875	15.22	1230	16.49
38	SMBRP-7b	45	2	18.985	11.08	1206	10.69
39	SMBRP-8 (EG-RC)	60	4		29.18	1123	28.74
40	SMBRP-9	45	2	50.32	39.03	1401	38.24
41	SMBRP-10C	25	2	16.25	6.57	1133	7.37
42	SMBRP-11	20	2	18.35	8.30	1525	8.88
43	SMBRP-12	25	2	12.615	6:85	1540	5.69
44	SMBRP-13	20	2	13.58	8.00	1534	8.32
45	SMBRP-15b	25	1	16.765	Dry	1545.7	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	4.60	1137	4.95

Car Parked @ 1110
to Moved @ 1400

- lagoon level very low → much lower than January
DTW measurement



Sampler Peter Shellenbayer
meter = Solinst #1

Arrive onsite @ 1100
departed site @ 1510

3/14/16

Table 1
Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 3/14/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	6.80	1300	n/a
2 C-2	14.5	2	11.19	6.50	1255	5.11
3 CCPE	20	2	12.935	8.35	1320	5.76
4 CCPNE		2	13.675	8.65	1315	6.44
5 CCPSW		2	13.67	8.05	1330	6.29
6 CCW-4		1	15.765	5.72	1144	6.5
7 GH6-M1	35	2		29.44	1415	28.92
8 GH8-M3	40	2		28.79	1411	28.37
9 GH9-M4	45	2		31.07	1407	30.31
10 Lagoon		n/a		N/A	---	n/a
11 LAMW-5S	20	4	104.55	53.92	1105	53.71
12 M6-1	45	2		6.45	1422	6.61
13 M6-2	20	2		4.27	1420	5.76
14 M7-1	40	2		7.83	1402	8.09
15 M7-2	25	2		7.03	1400	7.78
16 MBCMW-5	19.4	n/a	29.03	N/A	---	n/a
17 MBCMW-6	64.26	n/a	29.02	N/A	---	n/a
18 MBCMW-7	52.5	2	16.635	11.55	1136	11.26
19 MBCMW-8	10	2	16.53	7.36	1138	9.11
20 MBCMW-9	10	2	17.71	7.83	1152	8.7
21 MBCMW-10	53	2	17.74	8.97	1154	8.63
22 MCWP-MW01	148	6		10.53	1343	10.22
23 MCWP-MW02	145	6	18.06	10.72	1336	10.39
24 MCWP-MW03	134	6		8.05	1433	7.65
25 MCWP-MW04D	148	4		9.69	1346	9.35
26 MCWP-MW04S	20	4		5.92	1342	7.55
27 MCWP-MW05	158	4		7.96	1148	7.62

28	MCWP-MW06	153	2		10.14	1334	9.87
29	MCWP-MW07D	134	2		7.92	1435	7.51
30	MCWP-MW07S	20	2		5.85	1439	6.76
31	MCWP-MW08	77	2		7.96	1455	7.64
32	MCWP-MW09	95	2	16.3	6.04	1501	7.52
33	MCWP-MW10	60	2		8.04	1252	5.7
34	P-4	12.5	4	12.155	6.92	1324	4.58
35	P-9	14.3	4	12.165	7.66	1321	5.07
36	SMBRP-2	25	2	13.131	8.58	1243	6.04
37	SMBRP-6	25	2	26.875	14.43	1234	16.49
38	SMBRP-7b	45	2	18.985	10.84	1159	10.69
39	SMBRP-8 (EG-RC)	60	4		28.76	1124	28.74
40	SMBRP-9	45	2	50.32	38.97	1121	38.24
41	SMBRP-10C	25	2	16.25	4.80	1112	7.37
42	SMBRP-11	20	2	18.35	7.89	1442	8.88
43	SMBRP-12	25	2	12.615	6.09	1459	5.69
44	SMBRP-13	20	2	13.58	7.61	1451	8.32
45	SMBRP-15b	25	1	16.765	Dry	1445	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	5.27	1133	4.95

Legend

- Monthly Transducer Well
- Monthly
- Other Well



0 500
Feet



earthforensics, inc.

MONTHLY GROUNDWATER WELLS Civic Center Area

Malibu, CA

DATE: 5/1/2018 PROJECT NUMBER: 2012-150
PROJECT NAME: MCWP

1

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-14-16
Project/Location	Malibu Civic Center	Well Number:	LAMW-55
Observation Period	Start: 1545 Stop: 1710	Survey Reference Point:	TOC
Sampled By:	P. Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	redi-Flow 2	Pump Inlet Depth (ft)	60
Well Diameter (in)	4 1/2 inch	Depth of Well (ft)	73.43
Initial/Static Depth to Water (ft)	53.92	Length of Water Column (ft)	19.51
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	12.68	Three Casing Volumes (gal)	38.04
Purge Time, Start	1620	Purge Time, Stop	1655
Total Purge Time (minutes)	35 min	Purge Rate (gpm)	
Purge Volume (gal)	22 gal	Depth to Water (ft) at Sampling	53.96

CASING OR BOREHOLE VOLUME

5 gallon 1 1/2" → 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	1/2	1	2	3	At Sampling
TDS (ppm)	2000	0.0005	0.0005	0.0006		0.0008
Turbidity (measured or visual) cloudy, clear, muddy	cloudy milky	→	Drk Bn milky cloudy	Drk Bn		clear
Temperature (C)	22.54	22.89	22.80	23.05		21.56
Conductivity (micromhos)	200	665	713	821		1094
pH	6.64	6.49	6.77	6.82		7.08
Dissolved Oxygen (mg/L & %)	10.7% mg/L 0.9	13.9% 1.22 mg/L	15.1% 1.26 mg/L	16.7% 1.43 mg/L		44.8 3.90
Comments:						
Depth to Water at End of Purge (ft)				71.82		
Drawdown (ft)				17.9		

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	70°F, light wind

Comments:	Sampled at: 0930 3-15-16
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 53.92 + 0.2 * 17.9 = 57.5	

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587			Date:	~~3-11-16~~ 3-15-16		
Project/Location	Malibu Civic Center			Well Number:	SMBRP-9		
Observation Period	Start: 0815	Stop: 0915		Survey Reference Point:	TOC		
Sampled By:	D. Shellenbarger			Witnessed By:	PS		
PURGING DATA							
Type of Pump	Pedi-Flow 2			Pump Inlet Depth (ft)	40		
Well Diameter (in)	2 inch			Depth of Well (ft)	45		
Initial/Static Depth to Water (ft)	38.97			Length of Water Column (ft)	6.03		
Product Thickness (ft)				Volume Multiplier (gal/ft)	0.16		
One Casing Volume (gal)	0.9648			Three Casing Volumes (gal)	2.89		
Purge Time, Start	0823			Purge Time, Stop	0831		
Total Purge Time (minutes)	8			Purge Rate (gpm)	0.375		
Purge Volume (gal)	3 gal			Depth to Water (ft) at Sampling	39.35		
CASING OR BOREHOLE VOLUME							
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	1	2	3			At Sampling
TDS (ppm)	0.0020	0.0021	0.0021	0.0020			0.0021
Turbidity (measured or visual) cloudy, clear, muddy	milky	milky	milky wht	milky wht	+ slow recharge waiting for recovery		milky cloudy
Temperature (C)	20.49	21.62	20.81	22.39			20.84
Conductivity (micromhos) <i>us/cm</i>	2901	3016	2962	3021			2983
pH	7.14	7.40	7.48	7.41			7.41
Dissolved Oxygen (mg/L & %)	42.1	29.8	32.0	94.6			67.2
<i>mil/L</i> Comments:	3.70	2.60	2.85	8.22			5.35
Depth to Water at End of Purge (ft)				41.17			
Drawdown (ft)				2.2			
MISCELLANEOUS DATA							
Condition of Traffic Box:	Good						
Drum Identification labeling:	Non-Hazardous Waste						
Water Level Indicator:	Solinst Model 101						
Weather Conditions:	clear, 60°F, No wind						
Comments:					Sampled at:	0855	
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 38.97 + 0.2 * 2.2 = 39.41							

~~9478~~ ~~5200~~ ~~460~~ ~~5200~~ ~~6~~

Job No: <u>15-01587</u>	Date: <u>3-15-16</u>
Project/Location: <u>Malibu Civic Center</u>	Well Number: <u>CCPE</u>
Observation Period Start: <u>950</u> Stop: <u>1045</u>	Survey Reference Point: <u>TOC</u>
Sampled By: <u>P. Shellenbarger</u>	Witnessed By: <u>PS</u>

PURGING DATA

Type of Pump	<u>vedi-Flow 2/burkholder</u>	Pump Inlet Depth (ft)	<u>12</u>
Well Diameter (in)	<u>2 inch</u>	Depth of Well (ft)	<u>52.7</u>
Initial/Static Depth to Water (ft)	<u>8.35</u>	Length of Water Column (ft)	<u>44.35</u>
Product Thickness (ft)	<u> </u>	Volume Multiplier (gal/ft)	<u>0.16</u>
One Casing Volume (gal)	<u>7.1</u>	Three Casing Volumes (gal)	<u>21.3</u>
Purge Time, Start	<u>1000</u>	Purge Time, Stop	<u>1025</u>
Total Purge Time (minutes)	<u>25</u>	Purge Rate (gpm)	<u>0.88</u>
Purge Volume (gal)	<u>22</u>	Depth to Water (ft) at Sampling	<u>8.36</u>

CASING OR BOREHOLE VOLUME

<u>5 gallon count</u> <u>1111</u>	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	2	3				At Sampling
TDS (ppm) <u>mg/L</u>	<u>0.0008</u>	<u>0.0011</u>	<u>0.0012</u>	<u>0.0017</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Turbidity (measured or visual) cloudy, clear, muddy	<u>clear</u> <u>Blk spec</u>	<u>→</u>	<u>→</u>	<u>→</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Temperature (C)	<u>20.12</u>	<u>20.31</u>	<u>20.79</u>	<u>20.36</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Conductivity (<u>us/cm</u>) (micromhos)	<u>1185</u>	<u>1545</u>	<u>1689</u>	<u>2345</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
pH	<u>7.32</u>	<u>7.12</u>	<u>7.16</u>	<u>7.13</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Dissolved Oxygen (mg/L & %)	<u>35.5%</u>	<u>11.2</u>	<u>15.0%</u>	<u>9.6</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Comments:	<u>2.9%</u>	<u>1.00</u>	<u>1.30%</u>	<u>0.86</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Depth to Water at End of Purge (ft)				<u>8.41</u>				
Drawdown (ft)				<u>0.06</u>				

MISCELLANEOUS DATA

Condition of Traffic Box:	<u>Good</u>
Drum Identification labeling:	<u>Non-Hazardous Waste</u>
Water Level Indicator:	<u>Solinst Model 101</u>
Weather Conditions:	<u>65, clear, light wind</u>

Comments:	Sampled at: <u>1028</u>
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery <u>8.35</u> + 0.2 * <u>0.012</u> = <u>8.367</u> → NO real drawdown	

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-15-16
Project/Location	Malibu	Well Number:	SMBRP-13
Observation Period	Start: 1110 Stop: 1140	Survey Reference Point:	TOC
Sampled By:	P. Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	vedi-Flow 2 / Grundfos	Pump Inlet Depth (ft)	13
Well Diameter (in)	2 inch	Depth of Well (ft)	19.48
Initial/Static Depth to Water (ft)	~~7.55~~ 7.55	Length of Water Column (ft)	11.93
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.91	Three Casing Volumes (gal)	5.73
Purge Time, Start	1122	Purge Time, Stop	1128
Total Purge Time (minutes)	6	Purge Rate (gpm)	1 gpm
Purge Volume (gal)	6 gallons	Depth to Water (ft) at Sampling	7.57

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	2	3				At Sampling
TDS (ppm) ~~mg/L~~	0.0205	0.0206	0.0205	0.1773	→			
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear				
Temperature (C)	21.29	21.48	21.45	21.57	→			
Conductivity (micromhos) ~~us/cm~~	29350	29622	29621	25751				
pH	6.60	6.62	6.63	6.64				
Dissolved Oxygen (mg/L & %) %	23.56	21.5	22.16	20.7	→			
Comments:	1.796	1.70	1.71	0.37	→			
	Depth to Water at End of Purge (ft)				7.57			
	Drawdown (ft)				0.02	7 NO Drawdown		

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	70°F, clear, no wind

Comments:	Sampled at: 1130
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.55 + 0.2 * 0.02 = 7.554 → NO	

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-15-16
Project/Location	Civic Center Malibu	Well Number:	SMBRP-12
Observation Period	Start: 1145 Stop: 1215	Survey Reference Point:	Toc
Sampled By:	D. Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	Grundfos / Verdi Flow 2	Pump Inlet Depth (ft)	10
Well Diameter (in)	2 inch	Depth of Well (ft)	24.88
Initial/Static Depth to Water (ft)	6.05	Length of Water Column (ft)	18.83
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	3.0128	Three Casing Volumes (gal)	9.03
Purge Time, Start	1158	Purge Time, Stop	1208
Total Purge Time (minutes)	10	Purge Rate (gpm)	
Purge Volume (gal)	9	Depth to Water (ft) at Sampling	6.05

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	2	3				At Sampling
TDS (ppm)	0.0001	0.0075	0.1134	0.1233				
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear				
Temperature (C)	22.27	22.61	22.51	22.58				
Conductivity (micromhos)	1228	11060	180160	178110				
pH	7.42	7.37	7.30	7.25				
Dissolved Oxygen (mg/L & %) %	65.5	29.06	15.1	10.5				
mg/L Comments:	4.47	2396	0.60	0.37				
Depth to Water at End of Purge (ft)					6.05			
Drawdown (ft)					0			

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	70°F, clear, light wind
Comments:	Sampled at: 1210
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.05 + 0.2 * =	

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-15-16
Project/Location	Malibu Civic Center	Well Number:	MCWP-mw09
Observation Period	Start: 1230 Stop: 1315	Survey Reference Point:	TOC
Sampled By:	P. Shellenbarger	Witnessed By:	PS.

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	55
Well Diameter (in)	2 inch	Depth of Well (ft)	89.60
Initial/Static Depth to Water (ft)	6.37	Length of Water Column (ft)	83.23
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.31	Three Casing Volumes (gal)	39.95
Purge Time, Start	1238	Purge Time, Stop	1305
Total Purge Time (minutes)	27	Purge Rate (gpm)	1.48
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	6.37

CASING OR BOREHOLE VOLUME

5 gallon bucket III	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	2	3				At Sampling
TDS (ppm)	0.2588	0.2605	0.2577	0.2590	→			
Turbidity (measured or visual) cloudy, clear, muddy	milky clear	→	clear	clear	→			
Temperature (C)	21.51	21.20	21.62	21.47	→			
Conductivity (micromhos/cm)	371372	371760	371745	371703	→			
pH	7.92	7.63	7.65	7.54	→			
Dissolved Oxygen (mg/L & %)	40.4%	14.5	10.9	19.9%	→			
Comments:	0.18	0.06	0.05	0.09%	→			
Stop purge → return to 6.37 30 seconds.	Depth to Water at End of Purge (ft)				6.39			
	Drawdown (ft)				0.02			

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	75°, clear, light wind
Comments:	Sampled at: 1307
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery $\text{_____} + 0.2 * \text{_____} = \text{_____}$	

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 3-15-16						
Project/Location: Malibu Civic Center		Well Number: ~~MCWP~~ MCWP-MW10						
Observation Period Start: 1325 Stop: 1355		Survey Reference Point: TOC						
Sampled By: P. Shellenbarger		Witnessed By: PS						
PURGING DATA								
Type of Pump	Redi-Flow / Grundfos	Pump Inlet Depth (ft)	9					
Well Diameter (in)	2 inch	Depth of Well (ft)	22.23					
Initial/Static Depth to Water (ft)	8.12	Length of Water Column (ft)	14.11					
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16					
One Casing Volume (gal)	2.25	Three Casing Volumes (gal)	6.75					
Purge Time, Start	1333	Purge Time, Stop	~~1400~~ 1340					
Total Purge Time (minutes)	7	Purge Rate (gpm)	1 gpm					
Purge Volume (gal)	7 gallon	Depth to Water (ft) at Sampling	8.12					
CASING OR BOREHOLE VOLUME								
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	1	2	3				At Sampling
TDS (ppm)	0.2576	0.2571	0.2586	0.2561				
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear				
Temperature (C)	21.69	21.89	21.55	22.01				
Conductivity (micromhos)	371725	371725	371725	371751				
pH	7.44	7.30	7.28	7.28				
Dissolved Oxygen (mg/L & %) %	43.76	18.7	17.5	17.8				
mg/L Comments:	0.20	0.09	0.08	0.09				
Recharge ~ 1	Depth to Water at End of Purge (ft)			8.12				
30 sec.	Drawdown (ft)			0				
MISCELLANEOUS DATA								
Condition of Traffic Box:		Good						
Drum Identification labeling:		Non-Hazardous Waste						
Water Level Indicator:		Solinst Model 101						
Weather Conditions:		70, clear, light wind						
Comments:		Sampled at: 1344						
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery + 0.2 =								

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587		Date:	3-15-16		
Project/Location	Malibu Civic Center		Well Number:	SMBRP-7B		
Observation Period	Start: 1400	Stop: 1530	Survey Reference Point:	TOC		
Sampled By:	P. Shellenbarger		Witnessed By:	PS		
PURGING DATA						
Type of Pump	Vedi-Flow2 / GroundFOS		Pump Inlet Depth (ft)	17		
Well Diameter (in)	2 inch		Depth of Well (ft)	25.13		
Initial/Static Depth to Water (ft)	10.62		Length of Water Column (ft)	14.51		
Product Thickness (ft)	~~2.32~~		Volume Multiplier (gal/ft)	0.16		
One Casing Volume (gal)	2.32		Three Casing Volumes (gal)	6.96		
Purge Time, Start	1407		Purge Time, Stop	1416		
Total Purge Time (minutes)	~~1416~~ 9		Purge Rate (gpm)	0.77 gpm		
Purge Volume (gal)	7		Depth to Water (ft) at Sampling	~~14.80~~ 14.65*		
CASING OR BOREHOLE VOLUME						
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	1	2	3		At Sampling
TDS (ppm)	0.1769	0.2367	0.2273	0.0686		0.0010
Turbidity (measured or visual) cloudy, clear, muddy	Brown Dark cloudy	light brown milky	→	→		~~0.010~~ light brown
Temperature (C)	24.05	22.04	22.22	22.60		21.77
Conductivity (micromhos)	141387	347908	371375	109089		1443
pH	7.43	7.34	7.31	7.31		7.33
Dissolved Oxygen (mg/L & %)	30.6%	23.4	17.8	15.2%		55.7
Comments:	1.28 mg/L	0.15	0.12	0.65	excessive vegetation labs waiting on bacteria	4.86
Depth to Water at End of Purge (ft)				16.80		
Drawdown (ft)				6.18		
MISCELLANEOUS DATA						
Condition of Traffic Box:	Good → TOC has notch					
Drum Identification labeling:	Non-Hazardous Waste					
Water Level Indicator:	Solinst Model 101					
Weather Conditions:	75°F, light wind, clear					
Comments:	Sampled at: 1455					
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 10.62 + 0.2 * 6.18 = 11.85						

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587		Date:	3-15-16 to 3-16-16	
Project/Location	Malibu Civic Center		Well Number:	MCWP-mw075	
Observation Period	Start: 1730	Stop: 1810	Survey Reference Point:	TOC	
Sampled By:	P. Shellenbarger		Witnessed By:	PS	
PURGING DATA					
Type of Pump	variable flow 2-Grundfos	Pump Inlet Depth (ft)	8		
Well Diameter (in)	2 inch	Depth of Well (ft)	17.22		
Initial/Static Depth to Water (ft)	5.60	Length of Water Column (ft)	11.62		
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16		
One Casing Volume (gal)	1.86	Three Casing Volumes (gal)	5.58		
Purge Time, Start	5:1738	Purge Time, Stop	1546		
Total Purge Time (minutes)	8 mins		Purge Rate (gpm)	0.625	
Purge Volume (gal)	5 gallons		Depth to Water (ft) at Sampling	5.67	
CASING OR BOREHOLE VOLUME					
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	1	2	3	At Sampling
TDS (ppm) <i>kg/L</i>	0.0014	0.0014	0.0014		0.0677
Turbidity (measured or visual) cloudy, clear, muddy	clear	light brn milky	—		Brn. milky
Temperature (C)	20.71	20.84	21.15		21.13
Conductivity (micromhos) <i>us/cm</i>	2030	1942	1954		10813
pH	7.80	7.82	7.78		7.47
Dissolved Oxygen (mg/L & %) <i>%</i>	24.86	16.06	19.16		29.4
Comments: <i>mg/L</i>	2.116	1.378	1.626		2.51
Depth to Water at End of Purge (ft)		17.22			
Drawdown (ft)		11.62			
MISCELLANEOUS DATA					
Condition of Traffic Box:	Good				
Drum Identification labeling:	Non-Hazardous Waste				
Water Level Indicator:	Solinst Model 101				
Weather Conditions:	65, clear, light wind				
Comments:	Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery $5.60 + 0.2 * 11.62 = 7.92$				
Sampled at:		0910 3-16-16			

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-16-16
Project/Location	Malibu Civic Center	Well Number:	MCWP-MW07D
Observation Period	Start: 0920 Stop: 1015	Survey Reference Point:	TOC
Sampled By:	P. Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	vedi-12aw2/Grundfos	Pump Inlet Depth (ft)	50
Well Diameter (in)	2 inch	Depth of Well (ft)	129.6
Initial/Static Depth to Water (ft)	8.54	Length of Water Column (ft)	121.06
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.36	Three Casing Volumes (gal)	58.10
Purge Time, Start	0927	Purge Time, Stop	1000
Total Purge Time (minutes)	33	Purge Rate (gpm)	1.81 gpm
Purge Volume (gal)	60	Depth to Water (ft) at Sampling	8.54

CASING OR BOREHOLE VOLUME

5 gallon ~~111 111~~ 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	1	2	3				At Sampling
TDS (ppm)	0.0019	0.0024	0.0022	0.0022	→			
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear	→			
Temperature (C)	21.37	21.20	21.10	21.17				
Conductivity (micromhos) us/cm	2774	3385	3091	3103				
pH	7.59	7.35	7.61	7.99	→			
Dissolved Oxygen (mg/L & %)	11.8	11.5	11.5	8.4				
Comments: Lo mg/L	1.03	1.00	1.01	0.74	→			
Depth to Water at End of Purge (ft)				8.54				
recharge to 8.54 in 5 secs.				0				
Drawdown (ft)				0				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	GS, clear, no wind
Comments:	Sampled at: 1002 Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.54 + 0.2 * 0 = 8.54

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-16-16
Project/Location	Malibu Civic Center	Well Number:	TR-mw-1
Observation Period	Start: 1020 Stop: 1145	Survey Reference Point:	TOC
Sampled By:	P. Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	RediFlow 2 / Grundfos	Pump Inlet Depth (ft)	75
Well Diameter (in)	2 inch	Depth of Well (ft)	80.45
Initial/Static Depth to Water (ft)	68.37	Length of Water Column (ft)	12.08
Product Thickness (ft)	~~1.93~~ —	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.93	Three Casing Volumes (gal)	5.79
Purge Time, Start	1115	Purge Time, Stop	1122
Total Purge Time (minutes)	7	Purge Rate (gpm)	0.857 gpm
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	68.37

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	2	3				At Sampling
TDS (ppm) <i>kg/L</i>	0.0033	0.0045	0.0031					
Turbidity (measured or visual) cloudy, clear, muddy	Brd Dk muddy	light Brd	milky					
Temperature (C)	22.40	22.75	23.17					
Conductivity (micromhos) <i>us/cm</i>	4906	7008	5331					
pH	7.05	7.00	6.64					
Dissolved Oxygen (mg/L & %) %	44.46	16.1	9.2					
Comments: <i>4 mg/L</i>	3.526	1.35	0.78					
Well located <i>17' 8" From Black Gate (white Post)</i>	Depth to Water at End of Purge (ft)	68.37						
<i>23' 6" From white Post in Bank</i>	Drawdown (ft)	0						

MISCELLANEOUS DATA

Condition of Traffic Box:	Good → Buried See Notes above
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	75°F, clear, light wind
Comments:	Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 68.37 + 0.2 * 0 = 68.37
Sampled at:	1124

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: <u>15-01587</u>	Date: <u>3-16-16</u>
Project/Location: <u>Malibu Civic Center</u>	Well Number: <u>MCWP-MW06</u>
Observation Period Start: <u>1233</u> Stop: <u>1330</u>	Survey Reference Point: <u>TOC</u>
Sampled By: <u>P. Sheilenbarger</u>	Witnessed By: <u>(PS)</u>

PURGING DATA

Type of Pump	<u>Vedi Flow / Grundfos</u>	Pump Inlet Depth (ft)	<u>50</u>
Well Diameter (in)	<u>2 inch</u>	Depth of Well (ft)	<u>138.15</u>
Initial/Static Depth to Water (ft)	<u>10.43</u>	Length of Water Column (ft)	<u>127.72</u>
Product Thickness (ft)	<u> </u>	Volume Multiplier (gal/ft)	<u>0.16</u>
One Casing Volume (gal)	<u>20.44</u>	Three Casing Volumes (gal)	<u>61.31</u>
Purge Time, Start	<u>1242</u>	Purge Time, Stop	<u>1313</u>
Total Purge Time (minutes)	<u>31</u>	Purge Rate (gpm)	<u>2 gpm</u>
Purge Volume (gal)	<u>62</u>	Depth to Water (ft) at Sampling	<u>10.43</u>

CASING OR BOREHOLE VOLUME

<u>5 gallon Buckets</u>  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	1	2	3				At Sampling
TDS (ppm)	<u>0.0013</u>	<u>0.0015</u>	<u>0.0015</u>	<u>0.0015</u>				
Turbidity (measured or visual) cloudy, clear, muddy	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>				
Temperature (C)	<u>21.52</u>	<u>20.97</u>	<u>20.59</u>	<u>20.40</u>				
Conductivity (micromhos) <u>system</u>	<u>1863</u>	<u>2101</u>	<u>2070</u>	<u>2046</u>				
pH	<u>8.04</u>	<u>7.70</u>	<u>8.50</u>	<u>7.63</u>				
Dissolved Oxygen (mg/L & %)	<u>22.46</u>	<u>13.9</u>	<u>19.4</u>	<u>12.3</u>				
<u>mg/L</u> Comments:	<u>1.956</u>	<u>1.22</u>	<u>1.69</u>	<u>1.10</u>				
Depth to Water at End of Purge (ft)					<u>10.44</u>	<u>recharged immediately after Purge</u>		
Drawdown (ft)					<u>0</u>			

MISCELLANEOUS DATA

Condition of Traffic Box:	<u>Good</u>
Drum Identification labeling:	<u>Non-Hazardous Waste</u>
Water Level Indicator:	<u>Solinst Model 101</u>
Weather Conditions:	<u>75, clear, no wind</u>
Comments:	Sampled at: <u>1315</u>
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery <u>10.43</u> + 0.2 * <u>0</u> = <u>10.43</u>	

GROUND WATER SAMPLING/PURGING DATA SHEET

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: <u>15-01587</u>	Date: <u>3-15-16</u> & <u>3-16-16</u>
Project/Location: <u>Malibu Civic Center</u>	Well Number: <u>MCWP-MW045</u>
Observation Period Start: <u>1651</u> Stop: <u>1725</u>	Survey Reference Point: <u>TOC</u>
Sampled By: <u>P. Shellenbarger</u>	Witnessed By: <u>PS</u>

PURGING DATA

Type of Pump: <u>2 Redi Flow / Grout</u>	Pump Inlet Depth (ft): <u>10</u>
Well Diameter (in): <u>4 inch</u>	Depth of Well (ft): <u>20.45</u>
Initial/Static Depth to Water (ft): <u>5.66</u>	Length of Water Column (ft): <u>~~0.65~~ 14.79</u>
Product Thickness (ft): <u> </u>	Volume Multiplier (gal/ft): <u>0.65</u>
One Casing Volume (gal): <u>9.61</u>	Three Casing Volumes (gal): <u>28.85</u>
Purge Time, Start: <u>1700</u>	Purge Time, Stop: <u>1714</u>
Total Purge Time (minutes): <u>14</u>	Purge Rate (gpm): <u>1.07 gpm</u>
Purge Volume (gal): <u>15</u>	Depth to Water (ft) at Sampling: <u>8.11</u>

CASING OR BOREHOLE VOLUME

<u>5 gallon Buckets</u> <u>111</u>	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	2	3				At Sampling
TDS (ppm) <u>kg/L</u>	0.0089	0.0053						0.0051
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	DM	after				clear
Temperature (C)	22.08	22.85						23.16
Conductivity (<u>µS/cm</u>)	14741	7870						7496
pH	7.85	7.77						7.80
Dissolved Oxygen (mg/L & %) %	64.76	19.1						87.16
Comments: <u>4 mg/L</u>	5.236	1.61						7.206
Depth to Water at End of Purge (ft)		20.45						
Drawdown (ft)		14.79						

MISCELLANEOUS DATA

Condition of Traffic Box: <u>Good</u>
Drum Identification labeling: <u>Non-Hazardous Waste</u>
Water Level Indicator: <u>Solinst Model 101</u>
Weather Conditions: <u>75, clear, light wind</u>
Comments: <u>Well Recovery Calculation</u> Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery <u>5.66</u> + 0.2 * <u>14.79</u> = <u>8.618</u>
Sampled at: <u>1410</u> <u>3-16-16</u>

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 3-17-16
Project/Location: Malibu Civic Center	Well Number: MCWP-mw05
Observation Period Start: 0910 Stop: 1235	Survey Reference Point: TOC
Sampled By: D. Shellenbarger	Witnessed By: PS

PURGING DATA

Type of Pump	RediFlow II / Grundfos	Pump Inlet Depth (ft)	45
Well Diameter (in)	4 inch	Depth of Well (ft)	154.4
Initial/Static Depth to Water (ft)	7.96	Length of Water Column (ft)	146.44
Product Thickness (ft)	←	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	95.19	Three Casing Volumes (gal)	285.56
Purge Time, Start	0953	Purge Time, Stop	1208
Total Purge Time (minutes)	135	Purge Rate (gpm)	2.11 gpm
Purge Volume (gal)	~ 285	Depth to Water (ft) at Sampling	7.96

CASING OR BOREHOLE VOLUME

95 10" → 1040 190 18" → 1125 285 24" →	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	1	2	3				At Sampling
TDS mg/L	0.0017	0.0013	0.0013	0.0013				
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear	→			
Temperature (C)	18.94	19.31	19.04	19.30				
Conductivity µS/cm (micromhos)	2217	1801	1780	1794	→			
pH	7.70	7.42	7.36	7.28				
Dissolved Oxygen (mg/L & %)	34.0↓	33.6↓	35↓	35.7↓				
Comments: mg/L	3.01↓	2.89↓	3.03↓	3.18↓	→			
Pump @ 160 V	Depth to Water at End of Purge (ft)				7.96			
↳ keep there	Drawdown (ft)				0			

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	70°F, clear, no wind
Comments:	Sampled at: 1210
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.96 + 0.2 * 0 = 7.96	

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 3-17-16
Project/Location: Malibu Civic Center	Well Number: MCWP-mw041D
Observation Period Start: 1320 Stop: 1550	Survey Reference Point: TOC
Sampled By: P. Shellenbarger	Witnessed By: (PS)

PURGING DATA

Type of Pump: rediflow II / Grundfos	Pump Inlet Depth (ft): 15
Well Diameter (in): 4 inch	Depth of Well (ft): 149.2
Initial/Static Depth to Water (ft): 10.22	Length of Water Column (ft): 138.98
Product Thickness (ft): —	Volume Multiplier (gal/ft): 0.65
One Casing Volume (gal): 90.33	Three Casing Volumes (gal): 271.01
Purge Time, Start: 1345	Purge Time, Stop: 1515
Total Purge Time (minutes): 90 mins	Purge Rate (gpm): 3 gpm
Purge Volume (gal): ~270	Depth to Water (ft) at Sampling: 10.22

CASING OR BOREHOLE VOLUME

Pump set @ 165V 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	1	2	3				At Sampling
TDS (ppm) kg/L	0.0013	0.0014	0.0015	0.0015				
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear				
Temperature (C)	23.23	20.46	20.23	20.24				
Conductivity (micromhos) ms/cm	2000	2013	2030	2032				
pH	7.41	7.34	7.22	7.27				
Dissolved Oxygen (mg/L & %) %	21.0	31.4↓	21.4↓	68.2↓				
Comments: ↳ mg/L	1.78	2.70↓	1.90↓	4.94↓				
Depth to Water at End of Purge (ft)				10.22				
Drawdown (ft)				0				

MISCELLANEOUS DATA

Condition of Traffic Box: Good
Drum Identification labeling: Non-Hazardous Waste
Water Level Indicator: Solinst Model 101
Weather Conditions: 75, light wind, clear
Comments: Sampled at: 1520 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

4259:03/07/2016				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-GW-SNNMP/MOU Purchase Order Number: Quote Number: SP 20150526-01 Sampler(s) <i>Pete & Shelley</i> Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____/____/____ Lab Number: SP 2-25173 <table><thead><tr><th>Samp Num</th><th>Location Description</th><th>Date Sampled</th><th>Time Sampled</th></tr></thead><tbody><tr><td>1</td><td>SMBRP-9</td><td>3-15-16</td><td>0835</td></tr><tr><td>2</td><td>MCWP-MW04S</td><td></td><td></td></tr><tr><td>3</td><td>MCWP-MW07S</td><td></td><td></td></tr><tr><td>4</td><td>SMBRP-12</td><td>3-15-16</td><td>1210</td></tr><tr><td>5</td><td>MCWP-04D</td><td></td><td></td></tr><tr><td>6</td><td>MCWP-07D</td><td></td><td></td></tr><tr><td>7</td><td>MCWP-MW09</td><td>3-15-16</td><td>307</td></tr><tr><td>8</td><td>TY-MW-1</td><td></td><td></td></tr><tr><td>9</td><td>LAMW-5S</td><td>3-15-16</td><td>0920</td></tr><tr><td>10</td><td>SMBRP-13</td><td>3-15-16</td><td>1130</td></tr></tbody></table> Method of Sampling: Composite(C) Grab(G) Type of Sample 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) Coliform-LTB-Series 15 Tube 120ml(PBa)-Na2S2O3 Wet Chemistry-NO3-N,NO2-N,N-Organic,TOTAL P,NH3-N,TDS 16oz(P), 16oz(F)-H2SO4 Wet Chemistry-NO3-N,TDS 16oz(P)				Samp Num	Location Description	Date Sampled	Time Sampled	1	SMBRP-9	3-15-16	0835	2	MCWP-MW04S			3	MCWP-MW07S			4	SMBRP-12	3-15-16	1210	5	MCWP-04D			6	MCWP-07D			7	MCWP-MW09	3-15-16	307	8	TY-MW-1			9	LAMW-5S	3-15-16	0920	10	SMBRP-13	3-15-16	1130										
Samp Num	Location Description	Date Sampled	Time Sampled																																																						
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10	SMBRP-13	3-15-16	1130																																																						
Relinquished				Date: _____ Time: _____		Relinquished		Date: _____ Time: _____		Relinquished		Date: _____ Time: _____																																													
Remarks: Multiple Chains				Date: _____ Time: _____		Received By: _____		Date: _____ Time: _____		Received By: _____		Date: _____ Time: _____																																													

<u>Corporate Offices & Laboratory</u>	<u>Office & Laboratory</u>	<u>Office & Laboratory</u>	<u>Office & Laboratory</u>
853 Corporation Street	2500 Stagecoach Road	563 E. Lindo	3442 Empresa Drive, Suite D
Santa Paula, CA 93060	Stockton, CA 95215	Chico, CA 95926	San Luis Obispo, CA 93401
Phone: (805) 392-2000	Phone: (209) 942-0182	Phone: (530) 343-5818	Phone: (805) 783-2940
Env Fax: (805) 525-4177 / Ag Fax: (805) 392-2063	Env Fax: (209) 942-0423	Fax: (530) 343-3807	Fax: (805) 783-2912
			9415 W. Goshen Avenue
			Visalia, CA 93291
			Phone: (559) 734-9473
			Fax: (559) 734-8435



4259-03/07/2016				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-GW-SNMP/MOU Purchase Order Number: Quote Number: SP 20150526-01 Sampler(s) <i>Below shown - 12/15/16</i>				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 120ml(PBa)-Na2S2O3 16oz(P), 16oz(P)-H2SO4 Wet Chemistry-NO3-N,NO2-N,N-Organic, Total P,NH3-N,TDS 16oz(P) Wet Chemistry-NO3-N,TDS											
Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____/____															
Lab Number: SP 2-25173															
Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling	Type of Sample	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	120ml(PBa)-Na2S2O3	16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,NO2-N,N-Organic, Total P,NH3-N,TDS	16oz(P)	Wet Chemistry-NO3-N,TDS
11	MCWP-MW10	12-16-16	1344	G	MW					1		1,1			
12	CCPE	12-16-16	078	G	MW					1		1,1			
13	MBCMW-9	12-16-16		G	MW					1		1,1			
14	SMBRP-7B	12-16-16		G	MW					1		1,1			
15	MCWP-MW05			G	MW										
16	MCWP-MW06			G	MW										
Remarks: Multiple Chains				Relinquished		Date:		Time:		Relinquished		Date:		Time:	
				Received By:		Date:		Time:		Received By:		Date:		Time:	
				Date:		Time:		Date:		Time:		Date:		Time:	
				Time:		Time:		Time:		Time:		Time:		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

100

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-GW-SNMP/MOU

Purchase Order Number:

Quote Number: SP 20150526-01

Sampler(s)

Sampling Fee: Pickup Fee:

Compositor Setup Date: / /

Lab Number: **SP**

Sample Num	Location Description	Date Sampled	Time Sampled
1	SMBRP-9		
2	MCWP-MW04S	3-16-16	1410
3	MCWP-MW07S	3-16-16	0816
4	SMBRP-12		
5	MCWP-04D		
6	MCWP-07D	3-16-16	1002
7	MCWP-MW09		
8	TY-MW-1	3-16-16	1024
9	LAMW-5S		
10	SMBRP-13		

Remarks: Multiple Chains

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
4-7-88	5-16-88	1420						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:
	5-16-88	1420						

Corporate Offices & Laboratory

853 Corporation Street

Santa Paula, CA 93060

Phone: (805) 392-2000

Env Fax: (805) 525-4172 / Aq 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 93

Phone: (805) 783-2940

Fax: (805) 783-2912

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9415 W. Goshen Avenue

Visalia, CA 93291

Phone: (559) 734-9473

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

4259-03/07/2016

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-GW-SNMP/MOU

Purchase Order Number:

Quote Number: SP 20150526-01

Sampler(s): 2300, 2300, 2300, 2300, 2300, 2300, 2300, 2300, 2300, 2300

Sampling Fee: Pickup Fee: Compositor Setup Date: Time:

Lab Number: SP 2-25173

Samp Num	Location Description	Date Sampled	Time Sampled
1	SMBRP-9		
2	MCWP-MW04S		
3	MCWP-MW07S		
4	SMBRP-T2		
5	MCWP-04D		
6	MCWP-07D		
7	MCWP-MW09		
8	TY-MW-T		
9	LAMW-5S		
10	SMBRP-13		

Remarks: Multiple Chains

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 120ml(PBa)-Na2S2O3 16oz(P), 16oz(P)-H2SO4 16oz(P) Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS 16oz(P) Wet Chemistry-NO3-N,TDS

Relinquished	Date:	Time:	Relinquished	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
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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
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[illegible]

Corporate Offices & Laboratory	Office & Laboratory	Office & Laboratory	Office & Laboratory
853 Corporation Street Santa Paula, CA 93060 Phone: (805) 392-2000 Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063	2500 Stagecoach Road Stockton, CA 95215 Phone: (209) 942-0182 Fax: (209) 942-0423	563 E. Lindo Chico, CA 95926 Phone: (530) 343-5818 Fax: (530) 343-3807	3442 Empresa Drive, Suite D San Luis Obispo, CA 93401 Phone: (805) 783-2940 Fax: (805) 783-2912
			9415 W. Goshen Avenue Visalia, CA 93291 Phone: (559) 734-9473 Fax: (559) 734-8435

City of Malibu
P# 15-01587

Surface Water Sampling
Task 1B

3-18-16

- Arrive onsite in Malibu Civic Center @ 0830
- Surface water sampling

L-001 - 0900

N-001 1305

L-002 - ~~0910~~ 1000

N-002 1315

L-003 - 0940

N-003 1125

L-004 - 1020

L-005 1115

N-004 1200

L-006 - 1050

- Lagoon level extremely low → large
Beach Berm present

- LA County out on beach sand
w/ Earth mover

- Completed Last sampling pt. @ 1315

- Arrived at truck & left site @ 1341

Peter Shellenbarger
Peter Shellenbarger

4053-03/07/2016			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			TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information										
Sampler(s): <i>see below. Shellenberg</i>			TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information										
Sampling Fee: _____ Pickup Fee: _____			TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information										
Compositor Setup Date: ____/____/____ Time: ____/____/____			TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information										
Lab Number: SP 2-25173			TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information										
Samp Num	Location Description	Date Sampled	Time Sampled	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
1	N-001	2-18-16	2:05	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
2	N-002		3:15	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
3	N-003		11:25	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
4	N-004		1:00	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
5	L-001		2:00	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
6	L-002		2:00	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
7	L-003		2:14	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
8	L-004		2:20	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
9	L-005		11:15	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
10	L-006		2:50	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									
Remarks:				TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information									

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853 Corporation Street	2500 Stagecoach Road	563 E. Lindo	3442 Empresa Drive, Suite D	9415 W. Goshen Avenue	
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Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063	Fax: (209) 942-0423	Fax: (530) 343-3807	Fax: (805) 783-2912	Fax: (559) 734-8435	

Peter Shellbarger
4/25/16 - DTW

Start
Done

12:00pm
1530pm - 3:30pm

Table 1

Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 4/25/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	5.72	1356	n/a
2 C-2	14.5	2	11.19	5.54	1354	5.11
3 CCPE	20	2	12.935	7.13	1353	5.76
4 CCPNE		2	13.675	7.79	1337	6.44
5 CCPSW		2	13.67	7.50	1340	6.29
6 CCW-4		1	15.765	5.28	1245	6.5
7 GH6-M1	35	2		29.46	1250	28.92
8 GH8-M3	40	2		28.78	1442	28.37
9 GH9-M4	45	2		34.32	1437	30.31
10 Lagoon		n/a		N/A	N/A	n/a
11 LAMW-5S	20	4	104.55	53.88	1203	53.71
12 M6-1	45	2		5.51	1252	6.61
13 M6-2	20	2		7.15	1254	5.76
14 M7-1 (D)	40	2		8.46	1432	8.09
15 M7-2 (S)	25	2		7.84	1430	7.78
16 MBCMW-5	19.4	n/a	29.03	N/A	N/A	n/a
17 MBCMW-6	64.26	n/a	29.02	N/A	N/A	n/a
18 MBCMW-7	52.5	2	16.635	11.44	1230	11.26
19 MBCMW-8	10	2	16.53	8.54	1235	9.11
20 MBCMW-9	10	2	17.71	8.21	1300	8.7
21 MBCMW-10	53	2	17.74	9.22	1304	8.63
22 MCWP-MW01	148	6		10.89	1419	10.22
23 MCWP-MW02	145	6	18.06	11.08	1410	10.39
24 MCWP-MW03	134	6		8.63	1501	7.65
25 MCWP-MW04D	148	4		10.07	1417	9.35
26 MCWP-MW04S	20	4		7.10	1414	7.55
27 MCWP-MW05	158	4		8.27	1251	7.62

28	MCWP-MW06	153	2		10.49	1407	9.87
29	MCWP-MW07D	134	2		8.47	1503	7.51
30	MCWP-MW07S	20	2		6.49	1505	6.76
31	MCWP-MW08	77	2		7.83	1517	7.64
32	MCWP-MW09	95	2	16.3	6.38	1525	7.52
33	MCWP-MW10	60	2		7.07	1347	5.7
34	P-4	12.5	4	12.155	6.0	1329	4.58
35	P-9	14.3	4	12.165	6.49	1327	5.07
36	SMBRP-2	25	2	13.131	7.59	1321	6.04
37	SMBRP-6	25	2	26.875	16.60	1311	16.49
38	SMBRP-7b	45	2	18.985	11.23	1255	10.69
39	SMBRP-8 (EG-RC)	60	4		29.40	1220	28.74
40	SMBRP-9	45	2	50.32	38.82	1217	38.24
41	SMBRP-10C	25	2	16.25	6.59	1211	7.37
42	SMBRP-11	20	2	18.35	8.63	1508	8.88
43	SMBRP-12	25	2	12.615	6.76	1523	5.69
44	SMBRP-13	20	2	13.58	7.66	1513	8.32
45	SMBRP-15b	25	1	16.765	Dm	Dm 1530	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	4.65	1225	4.95

Legend

- Monthly Transducer Well
- Monthly
- Other Well



The Malibu Bay
Company - "Sustan"
for keep

Arrive onsite @ 10:50 AM
Done @ 1540

5-16-16
Monthly DTW
Peter Shellenbarger

Table 1

Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 5/16/2015	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	4.59	1305	n/a
2 C-2	14.5	2	11.19	4.49	1302	5.11
3 CCPE	20	2	12.935	5.72	1212	5.76
4 CCPNE		2	13.675	6.39	1215	6.44
5 CCPSW		2	13.67	6.18	1250	6.29
6 CCW-4		1	15.765	6.45	1130	6.5
7 GH6-M1	35	2		329.35	1407	28.92
8 GH8-M3	40	2		28.63	1403	28.37
9 GH9-M4	45	2		~~33.80~~ 32.80	1358	30.31
10 Lagoon		n/a				n/a
11 LAMW-5S	20	4	104.55	53.98	1055	53.71
12 M6-1	45	2		6.85	1417	6.61
13 M6-2	20	2		5.74	1414	5.76
14 M7-1	40	2		8.17	1351	8.09
15 M7-2	25	2		7.70	1354	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	11.22	1124	11.26
19 MBCMW-8	10	2	16.53	8.89	1121	9.11
20 MBCMW-9	10	2	17.71	8.40	1137	8.7
21 MBCMW-10	53	2	17.74	8.75	1139	8.63
22 MCWP-MW01	148	6		10.70	1333	10.22
23 MCWP-MW02	145	6	18.06	10.65	1322	10.39
24 MCWP-MW03	134	6		8.35	1449	7.65
25 MCWP-MW04D	148	4		9.83	1331	9.35
26 MCWP-MW04S	20	4		7.36	1328	7.55
27 MCWP-MW05	158	4		7.78	1134	7.62

28	MCWP-MW06	153	2		10.06	1320	9.87
29	MCWP-MW07D	134	2		8.26	1447	7.51
30	MCWP-MW07S	20	2		6.73	1440	6.76
31	MCWP-MW08	77	2		6.87	1503	7.64
32	MCWP-MW09	95	2	16.3	~~10.85~~ 5.85	~~1318~~ 1318	7.52
33	MCWP-MW10	60	2		5.63	1257	5.7
34	P-4	12.5	4	12.155	4.57	1205	4.58
35	P-9	14.3	4	12.165	5.02	1208	5.07
36	SMBRP-2	25	2	13.131	6.07	1200	6.04
37	SMBRP-6	25	2	26.875	16.81	1151	16.49
38	SMBRP-7b	45	2	18.985	11.04	1144	10.69
39	SMBRP-8 (EG-RC)	60	4		29.18	1107	28.74
40	SMBRP-9	45	2	50.32	~~8.86~~ ~~NO DTW recorded~~		38.24
41	SMBRP-10C	25	2	16.25	6.86	1112	7.37
42	SMBRP-11	20	2	18.35	8.62	1453	8.88
43	SMBRP-12	25	2	12.615	6.40	1515	5.69
44	SMBRP-13	20	2	13.58	6.92	1508	8.32
45	SMBRP-15b	25	1	16.765	~~6.88~~ ~~dry, recorded depth 8.77~~		
46	SMBRP-16	25	2	14.5	4.92	1117	4.95

38.82

1545

- Note : Malibu Lagoon Water level higher compared to last 2 previous DTW events.

Legend

- Monthly Transducer Well
- Monthly
- Other Well



Lagoon State: Full, closed berm
water level high

6-17-16
Peter Sheller-Dwyer
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 5/16/2015	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	4.72	1207	n/a
2 C-2	14.5	2	11.19	4.62	1203	5.11
3 CCPE	20	2	12.935	6.54	1237	5.76
4 CCPNE		2	13.675	5.83	1234	6.44
5 CCPSW		2	13.67	6.26	1240	6.29
6 CCW-4		1	15.765	6.70	0732	6.5
7 GH6-M1	35	2		29.20	1355	28.92
8 GH8-M3	40	2		28.67	1352	28.37
9 GH9-M4	45	2		30.56	1350	30.31
10 Lagoon		n/a		n/a	n/a	n/a
11 LAMW-5S	20	4	104.55	53.97	1310	53.71
12 M6-1	45	2		7.04	1359	6.61
13 M6-2	20	2		5.94	1358	5.76
14 M7-1	40	2		8.22	1341	8.09
15 M7-2	25	2		7.77	1339	7.78
16 MBCMW-5	19.4	n/a	29.03	~~18.05~~ n/a	n/a	n/a
17 MBCMW-6	64.26	n/a	29.02	n/a	n/a	n/a
18 MBCMW-7	52.5	2	16.635	11.71	749	11.26
19 MBCMW-8	10	2	16.53	9.10	747	9.11
20 MBCMW-9	10	2	17.71	8.64	0758	8.7
21 MBCMW-10	53	2	17.74	8.58	0755	8.63
22 MCWP-MW01	148	6		10.75	1301	10.22
23 MCWP-MW02	145	6	18.06	10.82	1253	10.39
24 MCWP-MW03	134	6		8.50	1322	7.65
25 MCWP-MW04D	148	4		9.97	1259	9.35
26 MCWP-MW04S	20	4		7.64	1257	7.55
27 MCWP-MW05	158	4		8.05	0800	7.62

28	MCWP-MW06	153	2		10.27	1248	9.87
29	MCWP-MW07D	134	2		8.45	1325	7.51
30	MCWP-MW07S	20	2		Not recessible -	Car	6.76
31	MCWP-MW08	77	2		6.97	1423	7.64
32	MCWP-MW09	95	2	16.3	5.96	1427	7.52
33	MCWP-MW10	60	2		5.73	1155	5.7
34	P-4	12.5	4	12.155	4.68	1225	4.58
35	P-9	14.3	4	12.165	5.09	1229	5.07
36	SMBRP-2	25	2	13.131	6.14	1143	6.04
37	SMBRP-6	25	2	26.875	17.87	1127	16.49
38	SMBRP-7b	45	2	18.985	11.08	0804	10.69
39	SMBRP-8 (EG-RC)	60	4		29.38	0739	28.74
40	SMBRP-9	45	2	50.32	38.86	0735	38.24
41	SMBRP-10C	25	2	16.25	6.90	1306	7.37
42	SMBRP-11	20	2	18.35	8.59	1353	8.88
43	SMBRP-12	25	2	12.615	5.39	1470	5.69
44	SMBRP-13	20	2	13.58	7.52	1421	8.32
45	SMBRP-15b	25	1	16.765	Dry		dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	5.15	0743	4.95

Check
3x
throughout
Day



Project #

June 16, 2016

Malibu Civic Center WWTP
Surface Water Sampling

- Arrive in Malibu @ 1030am

- time samples taken

L-001 @ 1100 (written on L)

N-001 @ ~~1200~~ 1300 N (written on)

L-002 @ 1440

L-003 @ 1120 (written on L)

N-002 @ ~~1220~~ 1320

L-004 @ 1220

N-003 @ 1140 (written on N)

L-005 @ 1150

N-004 @ 1345

L-006 @ 1240

- Weather - clear, 75°F, light wind, large Surf
 - low tide approx. 1:00pm

- Lagoon - High Water - closed berm

- Completed Sampling in Malibu @ 1500

- Laboratory received samples @ 1630

4053:06/06/2016				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				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-L/TB-Series 15 Tube 120ml(PBa)-Na2S2O3 Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N 160z(P), 160z(P)-H2SO4																							
Sampler(s) Rebr 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	Type of Sample	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-L/TB-Series 15 Tube	120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N	160z(P), 160z(P)-H2SO4				
1	N-001	6-16-16	1300	G	SW															1	1,1						
2	N-002		1320	G	SW															1	1,1						
3	N-003		1340	G	SW															1	1,1						
4	N-004		1345	G	SW															1	1,1						
5	L-001		1300	G	SW															1	1,1						
6	L-002		1310	G	SW															1	1,1						
7	L-003		1320	G	SW															1	1,1						
8	L-004		1340	G	SW															1	1,1						
9	L-005		1350	G	SW															1	1,1						
10	L-006		140	G	SW															1	1,1						
Remarks:				Relinquished				Date:				Time:				Relinquished				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

7-20-16
Sampler - Peter Shellenbarger

- ① Collect GPS Coordinates of each GW Well
- ② Tag each Depth to water
- ③ Collect GPS @ TY-mw-1

Table 1

Groundwater Monitoring Well Construction

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 7/20/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	5.32	1303	n/a
2	C-2	14.5	2	11.19	5.16	1258	5.11
3	CCPE	20	2	12.935	6.09	1342	5.76
4	CCPNE		2	13.675	6.79	1346	6.44
5	CCPSW		2	13.67	6.60	1416	6.29
6	CCW-4		1	15.765	7.07	0920	6.5
7	GH6-M1	35	2		29.49	1458	28.92
8	GH8-M3	40	2		28.90	1502	28.37
9	GH9-M4	45	2		30.90	1506	30.31
10	Lagoon		n/a		NA	NA	n/a
11	LAMW-5S	20	4	104.55	54.23	1601	53.71
12	M6-1	45	2		7.34	1516	6.61
13	M6-2	20	2		6.21	1513	5.76
14	M7-1	40	2		8.54	1454	8.09
15	M7-2	25	2		8.05	1452	7.78
16	MBCMW-5	19.4	n/a	29.03	NA	NA	n/a
17	MBCMW-6	64.26	n/a	29.02	NA	NA	n/a
18	MBCMW-7	52.5	2	16.635	12.12	0915	11.26
19	MBCMW-8	10	2	16.53	9.46	0912	9.11
20	MBCMW-9	10	2	17.71	8.78	0928	8.7
21	MBCMW-10	53	2	17.74	9.29	0926	8.63
22	MCWP-MW01	148	6		11.09	1448	10.22
23	MCWP-MW02	145	6	18.06	11.10	1424	10.39
24	MCWP-MW03	134	6		8.30	0942	7.65
25	MCWP-MW04D	148	4		10.22	1437	9.35
26	MCWP-MW04S	20	4		7.95	0435	7.55
27	MCWP-MW05	158	4		8.41	0924	7.62

28	MCWP-MW06	153	2		10.60	~~1422~~ 1422	9.87	*
29	MCWP-MW07D	134	2		8.18	0944	7.51	*
30	MCWP-MW07S	20	2		6.18	0947	6.76	*
31	MCWP-MW08	77	2		7.76	1530	7.64	*
32	MCWP-MW09	95	2	16.3	6.44	1543	7.52	*
33	MCWP-MW10	60	2		6.02	1247	5.7	*
34	P-4	12.5	4	12.155	4.95	1335	4.58	*
35	P-9	14.3	4	12.165	5.34	1338	5.07	*
36	SMBRP-2	25	2	13.131	6.36	1315	6.04	*
37	SMBRP-6	25	2	26.875	18.52	1326	16.49	*
38	SMBRP-7b	45	2	18.985	11.31	0935	10.69	*
39	SMBRP-8 (EG-RC)	60	4		29.73	0850	28.74	*
40	SMBRP-9	45	2	50.32	39.06	0830	38.24	*
41	SMBRP-10C	25	2	16.25	7.72	1557	7.37	*
42	SMBRP-11	20	2	18.35	8.00	0951	8.88	*
43	SMBRP-12	25	2	12.615	6.05	1541	5.69	*
44	SMBRP-13	20	2	13.58	8.30	1526	8.32	*
45	SMBRP-15b	25	1	16.765	Dry —		dry, recorded depth 8.74	*
46	SMBRP-16	25	2	14.5	5.49	0910	4.95	*

well elevation here

7.33*

• TOC is between 6-12" From Well Box Lid where GPS/Trimble recording.

• Malibu Lagoon very high Stage

• No water in Malibu Creek → near SMBRP-6
↳ algae growth on creek bed



August 16, 2016
Malibu Civic Center
DTW event

Pinkow Consultants
Peter Shellenbarger (PS)

Arrive 0930

70F, light breeze NW, clear w/ haze

Completed 1315

Table 1

Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 7/20/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	5.42	1119	n/a
2 C-2	14.5	2	11.19	5.25	1116	5.11
3 CCPE	20	2	12.935	6.43	1056	5.76
4 CCPNE		2	13.675	~~6.43~~ 7.16	~~1056~~ 1100	6.44
5 CCPSW		2	13.67	6.92	1003	6.29
6 CCW-4		1	15.765	7.33	1013	6.5
7 GH6-M1	35	2		29.58	1305	28.92
8 GH8-M3	40	2		29.08	1302	28.37
9 GH9-M4	45	2		31.09	1259	30.31
10 Lagoon		n/a		N/A	N/A	n/a
11 LAMW-5S	20	4	104.55	54.42	0946	53.71
12 M6-1	45	2		7.61	1313	6.61
13 M6-2	20	2		6.42	1309	5.76
14 M7-1	40	2		8.74	1254	8.09
15 M7-2	25	2		8.26	1252	7.78
16 MBCMW-5	19.4	n/a	29.03	N/A	N/A	n/a
17 MBCMW-6	64.26	n/a	29.02	N/A	N/A	n/a
18 MBCMW-7	52.5	2	16.635	12.27	1010	11.26
19 MBCMW-8	10	2	16.53	9.73	1008	9.11
20 MBCMW-9	10	2	17.71	8.80	1021	8.7
21 MBCMW-10	53	2	17.74	9.52	1019	8.63
22 MCWP-MW01	148	6		11.30	1148	10.22
23 MCWP-MW02	145	6	18.06	11.35	1131	10.39
24 MCWP-MW03	134	6		8.87	1205	7.65
25 MCWP-MW04D	148	4		10.33	1145	9.35
26 MCWP-MW04S	20	4		8.18	1140	7.55
27 MCWP-MW05	158	4		8.69	1017	7.62

— missing Bolts

- Creek completely Dry & Algae Dry @ Bridge around SMBP-6 in La Serra Retreat
- Malibu Lagoon full Stage → Berms enclosed mouth

28	MCWP-MW06	153	2		10.86	1128	9.87
29	MCWP-MW07D	134	2		8.77	1208	7.51
30	MCWP-MW07S	20	2		6.25	1211	6.76
31	MCWP-MW08	77	2		7.77	1225	7.64
32	MCWP-MW09	95	2	16.3	6.94	1229	7.52
33	MCWP-MW10	60	2		6.34	1107	5.7
34	P-4	12.5	4	12.155	5.27	1052	4.58
35	P-9	14.3	4	12.165	5.70	1054	5.07
36	SMBRP-2	25	2	13.131	6.73	1044	6.04
37	SMBRP-6	25	2	26.875	19.01	1036	16.49
38	SMBRP-7b	45	2	18.985	11.54	1026	10.69
39	SMBRP-8 (EG-RC)	60	4		30.02	1000	28.74
40	SMBRP-9	45	2	50.32	39.17	0957	38.24
41	SMBRP-10C	25	2	16.25	8.12	0952	7.37
42	SMBRP-11	20	2	18.35	8.44	1218	8.88
43	SMBRP-12	25	2	12.615	6.85	1232	5.69
44	SMBRP-13	20	2	13.58	8.03	1223	8.32
45	SMBRP-15b	25	1	16.765	Dry	Dry	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	5.72	1007	4.95

7.49

Legend

- Monthly Transducer Well
- Monthly
- Other Well



9-19-16

DTW Malibu Civic Center

Peter Shellenbarger
Cody Wilgus

Table 1

Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water ¹⁰ 9/19/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	5.47	1015	n/a
2 C-2	14.5	2	11.19	5.21	1011	5.11
3 CCPE	20	2	12.935	6.80	1028	5.76
4 CCPNE		2	13.675	7.52	1031	6.44
5 CCPSW		2	13.67	7.28	1034	6.29
6 CCW-4		1	15.765	7.56	0932	6.5
7 GH6-M1	35	2		29.69	1131	28.92
8 GH8-M3	40	2		29.19	1128	28.37
9 GH9-M4	45	2		31.18 ~~31.08~~	1126	30.31
10 Lagoon		n/a				n/a
11 LAMW-5S	20	4	104.55	54.77	900	53.71
12 M6-1	45	2		7.87	1137	6.61
13 M6-2	20	2		6.61	1135	5.76
14 M7-1	40	2		8.88	1120	8.09
15 M7-2	25	2		8.42	1119	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	12.65	0927	11.26
19 MBCMW-8	10	2	16.53	9.99	0928	9.11
20 MBCMW-9	10	2	17.71	8.80	0939	8.7
21 MBCMW-10	53	2	17.74	9.85	0937	8.63
22 MCWP-MW01	148	6		11.13	1044	10.22
23 MCWP-MW02	145	6	18.06	11.59	1038	10.39
24 MCWP-MW03	134	6		8.23	1053	7.65
25 MCWP-MW04D	148	4		10.32	1042	9.35
26 MCWP-MW04S	20	4		8.35	1046	7.55
27 MCWP-MW05	158	4		8.98	0935	7.62

20 drums
@ City HallLagoon Stage
Full - > closed
BermMalibu Creek
Dry @
SMAPP-6MCWP-MW03 at Malibu Rd. well open upon arrival @ 1053
Loose bolts @ well

28	MCWP-MW06	153	2		11.07	1036	9.87
29	MCWP-MW07D	134	2		8.12	1055	7.51
30	MCWP-MW07S	20	2		6.48	1057	6.76
31	MCWP-MW08	77	2		7.74	1154	7.64
32	MCWP-MW09	95	2	16.3	6.26	1200	7.52
33	MCWP-MW10	60	2		6.70	1005	5.7
34	P-4	12.5	4	12.155	5.63	1023	4.58
35	P-9	14.3	4	12.165	6.06	1025	5.07
36	SMBRP-2	25	2	13.131	7.11	0957	6.04
37	SMBRP-6	25	2	26.875	19.61	0948	16.49
38	SMBRP-7b	45	2	18.985	11.68	0942	10.69
39	SMBRP-8 (EG-RC)	60	4		36.64	0913	28.74
40	SMBRP-9	45	2	50.32	39.33	0909	38.24
41	SMBRP-10C	25	2	16.25	8.54	0905	7.37
42	SMBRP-11	20	2	18.35	8.56	1100	8.88
43	SMBRP-12	25	2	12.615	6.44	1158	5.69
44	SMBRP-13	20	2	13.58	7.45	1153	8.32
45	SMBRP-15b	25	1	16.765	Dm 7.33	1205	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	5.92	0925	4.95

Legend

- Monthly Transducer Well
- Monthly
- Other Well



0 500 Feet



earthforensics, inc.

MONTHLY GROUNDWATER WELLS Civic Center Area

Malibu, CA

Date	2/20/15	Project Number	2012.146	Page	1
Prepared by	MDVP				

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: <u>Purge 9.19.16 / Sample 9.20.16</u>						
Project/Location <u>Malibu, CA - Civic Center Area</u>		Well Number: <u>LAMW55</u>						
Observation Period Start: <u>1225</u> Stop: <u>1330</u>		Survey Reference Point: <u>TOC</u>						
Sampled By: <u>P. Shellenbarger</u>		Witnessed By: <u>CW</u>						
PURGING DATA								
Type of Pump	<u>Grundfos 2</u>	Pump Inlet Depth (ft)	<u>60</u>					
Well Diameter (in)	<u>4 inch</u>	Depth of Well (ft)	<u>73.43</u>					
Initial/Static Depth to Water (ft)	<u>54.77</u>	Length of Water Column (ft)	<u>18.66</u>					
Product Thickness (ft)	<u>—</u>	Volume Multiplier (gal/ft)	<u>0.65</u>					
One Casing Volume (gal)	<u>12.13</u>	Three Casing Volumes (gal)	<u>36.40</u>					
Purge Time, Start	<u>1250</u>	Purge Time, Stop	<u>1308</u>					
Total Purge Time (minutes)	<u>18</u>	Purge Rate (gpm)	<u>1.16</u>					
Purge Volume (gal)	<u>21</u>	Depth to Water (ft) at Sampling	<u>54.71</u>					
CASING OR BOREHOLE VOLUME								
<u>5 gallon</u> 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	<u>12</u>	<u>24</u>	<u>36</u>				At Sampling
<u>Sensor</u> TDS (ppm) instrument		<u>malfunction</u>						<u>635</u>
Turbidity (measured or visual) cloudy, clear, muddy	<u>clear</u>	<u>slightly cloudy</u>	<u>Brown</u>	<u>@</u>				<u>clear</u>
Temperature (C)	<u>26.10</u>	<u>24.93</u>						<u>26.20</u>
<u>mus/cm</u> Conductivity (micromhos)	<u>1465</u>	<u>1410</u>						<u>1465</u>
pH	<u>6.80</u>	<u>6.98</u>						<u>7.94</u>
Dissolved Oxygen (mg/L & %)	<u>11.51</u>	<u>12.5</u>						<u>10.81</u>
Comments:								
		Depth to Water at End of Purge (ft)		<u>73.43</u>				
<u>Speed = 105 V</u>		Drawdown (ft)		<u>18.66</u>				
MISCELLANEOUS DATA								
Condition of Traffic Box:		<u>Good</u>		Sample <u>0950 - 1015</u>				
Drum Identification labeling:		<u>Non-Hazardous Waste</u>						
Water Level Indicator:		<u>Solinst Model 101</u>						
Weather Conditions:		<u>75°F, No wind, partially cloudy</u>						
Comments:				Sampled at:		<u>1000</u> <u>9.20.16</u>		
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery <u>54.77</u> + 0.2 * <u>18.66</u> = <u>58.50</u>								

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: <u>Purge 9.19.16 / Sample 9.20.16</u>				
Project/Location <u>Malibu, CA - Civic Center Area</u>		Well Number: <u>MCWP-mw075</u>				
Observation Period Start: <u>#1335</u> Stop: <u>1400</u>		Survey Reference Point: <u>TOC</u>				
Sampled By: <u>D. Shellenbarger</u>		Witnessed By: <u>CW</u>				
PURGING DATA						
Type of Pump	<u>Grundfos</u>	Pump Inlet Depth (ft)	<u>10 ft</u>			
Well Diameter (in)	<u>2 inch</u>	Depth of Well (ft)	<u>17.22</u>			
Initial/Static Depth to Water (ft)	<u>6.48</u>	Length of Water Column (ft)	<u>10.74</u>			
Product Thickness (ft)	<u>—</u>	Volume Multiplier (gal/ft)	<u>0.16</u>			
One Casing Volume (gal)	<u>1.71</u>	Three Casing Volumes (gal)	<u>5.15</u>			
Purge Time, Start	<u>1340</u>	Purge Time, Stop	<u>1351</u>			
Total Purge Time (minutes)	<u>11</u>	Purge Rate (gpm)	<u>0.4</u>			
Purge Volume (gal)	<u>34.5</u>	Depth to Water (ft) at Sampling	<u>6.50</u>			
CASING OR BOREHOLE VOLUME						
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	<u>1.7</u>	<u>3.4</u>	<u>5.15</u>	<u>gallons</u>	At Sampling
TDS (ppm)	<u>TDS instrument malfunction</u>					<u>857</u>
Turbidity (measured or visual) cloudy, clear, muddy	<u>clear</u>	<u>milky</u>	<u>milky</u>			<u>milky</u>
Temperature (C)	<u>23.0</u>	<u>22.61</u>	<u>22.67</u>			<u>30.61</u>
Conductivity (<u>us/cm</u>) (micromhos)	<u>1948</u>	<u>1022</u>	<u>1885</u>			<u>2242</u>
pH	<u>7.42</u>	<u>7.42</u>	<u>7.41</u>			<u>7.66</u>
Dissolved Oxygen (mg/L & %)	<u>9.30</u>	<u>9.49</u>	<u>9.44</u>			<u>2.22</u>
Comments:						
<u>speed = 35V</u>		Depth to Water at End of Purge (ft)		<u>17.22</u>		
		Drawdown (ft)		<u>10.74</u>		
MISCELLANEOUS DATA						
Condition of Traffic Box:		<u>Good</u>				
Drum Identification labeling:		<u>Non-Hazardous Waste</u>				
Water Level Indicator:		<u>Solinst Model 101</u>				
Weather Conditions:		<u>65 windy, cloudy, looks like rain</u>				
Comments:		Sampled at: <u>1110</u> <u>9.20.16</u>				
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery <u>6.48</u> + 0.2 * <u>10.74</u> = <u>8.69</u>						

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: <u>Purge 9.19.16 / Sample 9.20.16</u>						
Project/Location: Malibu, CA - Civic Center Area		Well Number: <u>SMBRP-9</u>						
Observation Period	Start: <u>1445</u> Stop: <u>1515</u>	Survey Reference Point: <u>TOC</u>						
Sampled By: <u>P. Shellenbarger</u>		Witnessed By: <u>CW & RS</u>						
PURGING DATA								
Type of Pump	<u>Grundfos</u>	Pump Inlet Depth (ft)	<u>40</u>					
Well Diameter (in)	<u>2 inch</u>	Depth of Well (ft)	<u>45</u>					
Initial/Static Depth to Water (ft)	<u>39.33</u>	Length of Water Column (ft)	<u>5.67</u>					
Product Thickness (ft)	<u> </u>	Volume Multiplier (gal/ft)	<u>0.16</u>					
One Casing Volume (gal)	<u>0.91</u>	Three Casing Volumes (gal)	<u>2.72</u>					
Purge Time, Start	<u>1450</u>	Purge Time, Stop	<u>1458</u>					
Total Purge Time (minutes)	<u>4 min</u>	Purge Rate (gpm)	<u>0.625</u>					
Purge Volume (gal)	<u>2.5</u>	Depth to Water (ft) at Sampling	<u>39.36</u>					
CASING OR BOREHOLE VOLUME								
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	<u>0.91</u>	<u>1.82</u>	<u>2.72</u>				At Sampling
TDS (ppm)	<u>instrument malfunction</u>							<u>1298</u>
Turbidity (measured or visual) cloudy, clear, muddy	<u>Brown light muddy</u>	<u>Brown clear milky</u>	<u> </u>					<u>Brown clear milky</u>
Temperature (C)	<u>25.57</u>	<u>23.53</u>	<u>23.23</u>	<u>Dry</u>				<u>23.63</u>
Conductivity (<u>us/cm</u> microhmhos)	<u>3110</u>	<u>1608</u>	<u>1656</u>					<u>3003</u>
pH	<u>7.62</u>	<u>7.40</u>	<u>7.44</u>					<u>7.37</u>
Dissolved Oxygen (mg/L & %)	<u>8.18</u>	<u>9.46</u>	<u>9.54</u>					<u>9.08</u>
Comments:								
Depth to Water at End of Purge (ft)		<u>45</u>						
<u>Speed - 70V</u>	Drawdown (ft)	<u>5.67</u>						
MISCELLANEOUS DATA								
Condition of Traffic Box:		<u>Good</u>	<u>Sample time 0815 - 0915</u>					
Drum Identification labeling:		<u>Non-Hazardous Waste</u>		<u>Lovechange during purge; Dry well 1/2 way thru</u>				
Water Level Indicator:		<u>Solinst Model 101</u>						
Weather Conditions:		<u>65, cloudy, windy NW @ 10-15</u>						
Comments:		Sampled at: <u>0830 - 0915</u>						
Well Recovery Calculation		<u>9.20.16</u>						
Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery		<u>Backi @ 0915</u>						
<u>39.33</u> + 0.2 * <u>5.67</u> = <u>40.46</u>								

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: Purge 9-19-16 / Sample 9-20-16	
Project/Location Malibu, CA - Civic Center Area		Well Number: MBCMw-9	
Observation Period Start: 1520 Stop: 1530		Survey Reference Point: TOC	
Sampled By: P. Shellenbarger		Witnessed By: CW & RS	

PURGING DATA			
Type of Pump	Bailer	Pump Inlet Depth (ft)	_____
Well Diameter (in)	2 inch	Depth of Well (ft)	9.20
Initial/Static Depth to Water (ft)	8.80	Length of Water Column (ft)	0.40
Product Thickness (ft)	_____	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.064	Three Casing Volumes (gal)	0.192
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 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					9-20-16	At Sampling
TDS (ppm)						9.18	
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)							

MISCELLANEOUS DATA	
Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	GS, humid, cloudy, windy, "tropical"
Comments:	Sampled at: _____
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery <u>9.20</u> + 0.2 * <u>0.40</u> = _____	

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 9-20-16
Project/Location Malibu, CA - Civic Center Area	Well Number: SMBRP-7B
Observation Period Start: 1244 Stop: 1430	Survey Reference Point: TOC
Sampled By: P. Shellenbarger & R. Stewart	Witnessed By: RS & AS

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	17
Well Diameter (in)	2 inch	Depth of Well (ft)	25.13
Initial/Static Depth to Water (ft)	11.68	Length of Water Column (ft)	13.45
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.15	Three Casing Volumes (gal)	6.45
Purge Time, Start	1257	Purge Time, Stop	1311
Total Purge Time (minutes)	14	Purge Rate (gpm)	0.46
Purge Volume (gal)	6.45	Depth to Water (ft) at Sampling	15.36

CASING OR BOREHOLE VOLUME

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	2.15	4.3	6.45	gallons		At Sampling
TDS (ppm)	1295	1147	1582	1835			instrument overrated
Turbidity (measured or visual) cloudy, clear, muddy	cloudy	cloudy	cloudy	cloudy			cloudy
Temperature (C)	32.6	25.46	24.88	25.30			27.54
Conductivity (micromhos)	3135	2745	3818	4470			4660
pH	7.27	7.40	7.26	7.34			7.68
Dissolved Oxygen (mg/L & %)	3.72	0.61	0.70	0.61			3.66
Comments:							
speed - 43V							
Depth to Water at End of Purge (ft)				18.39			
Drawdown (ft)				6.71			

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	75°F, light wind, partially

Comments:	Sampled at: 1400
Well Recovery Calculation	Depth @ 1536
Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery	
11.68 + 0.2 * 6.71 = 13.02	

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: ~~SCPE~~ 9.20.16	
Project/Location Malibu, CA - Civic Center Area		Well Number: CCPE	
Observation Period	Start: 1445 Stop: 1515	Survey Reference Point: TOC	
Sampled By: PS & RS		Witnessed By: PS & RS	

PURGING DATA			
Type of Pump	Grundfos	Pump Inlet Depth (ft)	12
Well Diameter (in)	2 inch	Depth of Well (ft)	52.7
Initial/Static Depth to Water (ft)	6.83	Length of Water Column (ft)	45.87
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.34	Three Casing Volumes (gal)	22.02
Purge Time, Start	1452	Purge Time, Stop	1500
Total Purge Time (minutes)	8	Purge Rate (gpm)	2.875
Purge Volume (gal)	23	Depth to Water (ft) at Sampling	6.83

CASING OR BOREHOLE VOLUME	
5 gallons 	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	7.35	15	22			At Sampling
TDS (ppm)	948	1024	1792	1952	→		
Turbidity (measured or visual) cloudy, clear, muddy	clear w/ blk specks	clear	clear	clear			
Temperature (C)	24.51	21.53	21.65	21.42			
Conductivity (micromhos)	1942	2190	4031	4472	→		
pH	7.79	7.71	7.37	7.37			
Dissolved Oxygen (mg/L & %)	1.14	2.61 ↓	2.90 ↓	2.51 ↓			
Comments:	Smelly	—			→		
Speed	Depth to Water at End of Purge (ft)				6.83		
	Drawdown (ft)				0		

MISCELLANEOUS DATA	
Condition of Traffic Box:	Good → Well cap does not fit well
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	70 F, humid, partially cloudy, light wind
Comments:	Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.83 + 0.2 * 0 = 6.83

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 9-20-16						
Project/Location Malibu, CA - Civic Center Area		Well Number: MGRP-mw10						
Observation Period	Start: 1520 Stop: 1555	Survey Reference Point: TOC						
Sampled By: PS & RS		Witnessed By: PS & RS						
PURGING DATA								
Type of Pump	Grindfos	Pump Inlet Depth (ft)	9 ft					
Well Diameter (in)	2 inch	Depth of Well (ft)	22.23					
Initial/Static Depth to Water (ft)	6.73	Length of Water Column (ft)	15.5					
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16					
One Casing Volume (gal)	2.28	Three Casing Volumes (gal)	7.44					
Purge Time, Start	1529	Purge Time, Stop	1540					
Total Purge Time (minutes)	11	Purge Rate (gpm)	0.68					
Purge Volume (gal)	7.5	Depth to Water (ft) at Sampling	6.73					
CASING OR BOREHOLE VOLUME								
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	2.28	4.56	7.44				At Sampling
TDS (ppm)	1025	1110	1098	1115				
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear				
Temperature (C)	26.95	23.10	22.43	22.44				
Conductivity (microhm/cm)	2564	2524	2497	2511				
pH	7.65	7.43	7.39	7.37				
Dissolved Oxygen (mg/L & %)	1.196	0.646	1.166	0.836				
Comments:								
Speed = 35V	Depth to Water at End of Purge (ft)		6.73					
	Drawdown (ft)		0					
MISCELLANEOUS DATA								
Condition of Traffic Box: Good								
Drum Identification labeling: Non-Hazardous Waste								
Water Level Indicator: Solinst Model 101								
Weather Conditions: 70, partially cloudy, humid								
Comments:					Sampled at: 1545			
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.73 + 0.2 * 0 = 6.73								

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

Job No: 15-01587		Date: 9-21-16	
Project/Location Malibu, CA - Civic Center Area		Well Number: TY-mw-1	
Observation Period	Start: 0745 Stop: 0915	Survey Reference Point: TOC	
Sampled By: PS & RS		Witnessed By: PS & RS	

PURGING DATA			
Type of Pump	Grundfos	Pump Inlet Depth (ft)	75
Well Diameter (in)	2 inch	Depth of Well (ft)	80.45
Initial/Static Depth to Water (ft)	69.26	Length of Water Column (ft)	11.19
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.79	Three Casing Volumes (gal)	5.37
Purge Time, Start	0810	Purge Time, Stop	0816
Total Purge Time (minutes)	6 min	Purge Rate (gpm)	1 gpm
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	69.26

CASING OR BOREHOLE VOLUME	
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	1.8	3.6	5.4			At Sampling
TDS (ppm)	1292	1261	1258	1257			
Turbidity (measured or visual) cloudy, clear, muddy	muddy	→	→	→	—	—	U
Temperature (C)	22.22	22.23	22.35	22.37			U
Conductivity (micromhos)	2955	2898	2898	2896	—	—	U
pH	7.25	6.97	6.90	6.87			U
Dissolved Oxygen (mg/L & %)	4.45↓	1.86↓	2.72↓	1.79↓	—	—	U
Comments:							
Speed- 105V		Depth to Water at End of Purge (ft)		69.26			
		Drawdown (ft)		0			

MISCELLANEOUS DATA	
Condition of Traffic Box:	Good, covered w/ dirt
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	65° clear, no wind, hazy
Comments:	Sampled at: 0830
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 69.26 + 0.2 * 0 = 69.26	

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 9-20-16	
Project/Location Malibu, CA - Civic Center Area		Well Number: SMBRP-12	
Observation Period Start: 0955 Stop: 1050		Survey Reference Point: TOC	
Sampled By: PS & RS		Witnessed By: PS & RS	

PURGING DATA			
Type of Pump	Grundfos	Pump Inlet Depth (ft)	10.00
Well Diameter (in)	2 inch	Depth of Well (ft)	24.88
Initial/Static Depth to Water (ft)	6.61	Length of Water Column (ft)	18.27
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.92	Three Casing Volumes (gal)	8.76
Purge Time, Start	1003	Purge Time, Stop	1010
Total Purge Time (minutes)	7	Purge Rate (gpm)	1.28
Purge Volume (gal)	9	Depth to Water (ft) at Sampling	6.61

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	2.92	5.84	8.76			At Sampling
TDS (ppm)	1669	may	may	may			
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear			
Temperature (C)	26.23	25.05	24.87	24.75			
Conductivity (micromhos)	4185	10383	12113	12386			
pH	7.52	7.11	7.03	7.02			
Dissolved Oxygen (mg/L & %)	1.406	1.406	1.12	0.816			
Comments:							
speed - 50V							
	Depth to Water at End of Purge (ft)	6.61					
	Drawdown (ft)	0					

MISCELLANEOUS DATA	
Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	75°F, clear, humid, 0 wind
Comments:	Sampled at: 1010
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.61 + 0.2 * 0 = 6.61	

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 9-22-16	
Project/Location Malibu, CA - Civic Center Area		Well Number: MCWP-MW09	
Observation Period Start: 1050 Stop: 1200		Survey Reference Point: TOC	
Sampled By: PS & RS		Witnessed By: PS & RS	

PURGING DATA			
Type of Pump	Grundfos	Pump Inlet Depth (ft)	55
Well Diameter (in)	2 inch	Depth of Well (ft)	89.60
Initial/Static Depth to Water (ft)	6.63	Length of Water Column (ft)	82.97
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.27	Three Casing Volumes (gal)	39.82
Purge Time, Start	1102	Purge Time, Stop	1121
Total Purge Time (minutes)	19	Purge Rate (gpm)	2.1
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	~~13.27~~ 6.63

CASING OR BOREHOLE VOLUME	
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	13.3	26.6	39.9			At Sampling
TDS (ppm)	1352	7200 max	7200 max	7200 max			
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear			
Temperature (C)	22.91	21.54	21.51	21.40			
Conductivity (micromhos)	3259	8309	8452	8290			
pH	8.14	7.50	7.41	7.37			
Dissolved Oxygen (mg/L & %)	1.01 ↓	1.37 ↓	0.96	0.70			
Comments:	smelly (eggs)						
	Depth to Water at End of Purge (ft)	~~13.27~~	6.63				
Speed = 95V	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, light wind, clear
Comments:	instantaneous recharge
Well Recovery Calculation	Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery
6.63 ~~13.27~~	+ 0.2 * 0 = 6.63

9-22-16 resampled for cyanide due to bottle leak - original sample No 82 Bottle

Sampled at: 1130

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

(805) 861-8575
Victor

(805) 750-8026

Ricardo L. Hardy
Berti
FGL

Job No: 15-01587		Date: <u>Purge 9.19.16 / Sample 9.21.16</u>	
Project/Location: Malibu, CA - Civic Center Area		Well Number: <u>MCWP-mw045</u>	
Observation Period	Start: <u>1405</u> Stop: <u>1440</u>	Survey Reference Point: TOC	
Sampled By: <u>P. Shellenbarger</u>		Witnessed By: <u>CW</u>	
PURGING DATA			
Type of Pump	<u>Grundfos</u>	Pump Inlet Depth (ft)	<u>10</u>
Well Diameter (in)	<u>4 inch</u>	Depth of Well (ft)	<u>20.45</u>
Initial/Static Depth to Water (ft)	<u>8.35</u>	Length of Water Column (ft)	<u>12.1</u>
Product Thickness (ft)	<u> </u>	Volume Multiplier (gal/ft)	<u>0.65</u>
One Casing Volume (gal)	<u>7.865</u>	Three Casing Volumes (gal)	<u>23.595</u>
Purge Time, Start	<u>1410</u>	Purge Time, Stop	<u>1433</u>
Total Purge Time (minutes)	<u>23</u>	Purge Rate (gpm)	<u>0.53</u>
Purge Volume (gal)	<u>12 gallon</u>	Depth to Water (ft) at Sampling	<u>10.43</u>
CASING OR BOREHOLE VOLUME			
<u>5 gallons</u> 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	<u>7.8</u>	<u>15.6</u>
TDS (ppm)	<u> </u>	<u>TDS</u>	<u>sensor malfunction</u>
Turbidity (measured or visual)	<u>clear</u>	<u>clear</u>	<u> </u>
Temperature (C)	<u>24.29</u>	<u>24.43</u>	<u>Dry</u>
Conductivity (micromhos)	<u>7089</u>	<u>7521</u>	<u> </u>
pH	<u>7.35</u>	<u>7.34</u>	<u> </u>
Dissolved Oxygen (mg/L & %)	<u>1.55</u>	<u> </u>	<u> </u>
Comments:	<u>3.44</u>	<u> </u>	<u> </u>
<u>Speed - 40 V</u>	Depth to Water at End of Purge (ft)	<u>20.45</u>	<u> </u>
	Drawdown (ft)	<u>12.1</u>	<u> </u>
MISCELLANEOUS DATA			
Condition of Traffic Box:	<u>Good</u>	<u>9.20.16 @ 12:30</u>	<u>13.96 DTW</u>
Drum Identification labeling:	<u>Non-Hazardous Waste</u>		
Water Level Indicator:	<u>Solinst Model 101</u>		
Weather Conditions:	<u>60, 10-15 mph wind NW, cloudy, raining (slight)</u>		
Comments:	Sampled at: <u>1245</u> <u>9.20.16</u> <u>9.21.16</u>		
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery <u>08.35</u> + 0.2 * <u>12.1</u> = <u>10.77</u>			

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

Job No: 15-01587		Date: 9.21.16	
Project/Location Malibu, CA - Civic Center Area		Well Number: MCWP-mw06	
Observation Period	Start: 1430 Stop: 1527	Survey Reference Point: TOC	
Sampled By: PS & RS		Witnessed By: PS & RS	

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)	11.07	Length of Water Column (ft)	0.16
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.33	Three Casing Volumes (gal)	60.10
Purge Time, Start	1443	Purge Time, Stop	1509
Total Purge Time (minutes)	28	Purge Rate (gpm)	2.14
Purge Volume (gal)	60 gallons	Depth to Water (ft) at Sampling	11.07

CASING OR BOREHOLE VOLUME	
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	20	40	60			At Sampling
TDS (ppm)	944	974	975	975			
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear			
Temperature (C)	22.04	21.43	20.70	20.61			
Conductivity ^{us/cm} (micromhos)	2122	2169	2137	2138			
pH	8.36	7.65	7.63	7.59			
Dissolved Oxygen (mg/L & %)	1.82	1.88	1.31	1.07			
Comments:							
Speed- 120V		Depth to Water at End of Purge (ft)		11.07			
		Drawdown (ft)		0			

MISCELLANEOUS DATA	
Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	85, no wind, clear
Comments:	Sampled at: 1510
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 11.07 + 0.2 * 0 = 11.07 	

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 9-22-16	
Project/Location Malibu, CA - Civic Center Area		Well Number: MCWP-mw007D	
Observation Period Start: 0730 Stop: 0850		Survey Reference Point: TOC	
Sampled By: PS & RS		Witnessed By: PS & RS	

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)	9.18	Length of Water Column (ft)	120.42
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.14
One Casing Volume (gal)	19.26	Three Casing Volumes (gal)	57.80
Purge Time, Start	0742	Purge Time, Stop	0812
Total Purge Time (minutes)	30 min	Purge Rate (gpm)	2.16
Purge Volume (gal)	65 gal	Depth to Water (ft) at Sampling	9.18

CASING OR BOREHOLE VOLUME	
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	19.26	38.50	57.80			At Sampling
TDS (ppm)	985	1218	1195	1017			
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear			
Temperature (C)	19.98	21.01	21.09	21.08			
Conductivity us/cm (micromhos)	2148	2714	2681	2329			
pH	7.90	7.49	7.57	7.55			
Dissolved Oxygen (mg/L & %)	1.41	1.40	0.85	0.56			
Comments:							
speed = 85V - 105V							
	Depth to Water at End of Purge (ft)	9.18					
	Drawdown (ft)	0					

MISCELLANEOUS DATA	
Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	65°F, sunny, no wind
Comments:	Sampled at: 0830
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 9.18 + 0.2 * 0 = 9.18	

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 9.22.16
Project/Location Malibu, CA - Civic Center Area	Well Number: MCWP-MW04D
Observation Period Start: 0855 Stop: 1145	Survey Reference Point: TOC
Sampled By: PS & RS	Witnessed By: PS & RS

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)	10.87	Length of Water Column (ft)	~~10.87~~ 138.33
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	89.91	Three Casing Volumes (gal)	269.74
Purge Time, Start	0905	Purge Time, Stop	1100
Total Purge Time (minutes)	125	Purge Rate (gpm)	2.16
Purge Volume (gal)	270	Depth to Water (ft) at Sampling	10.87

CASING OR BOREHOLE VOLUME

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	190	180	270				At Sampling
TDS (ppm)	872	973	968	974				
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear				
Temperature (C)	22.72	20.61	20.72	21.52				
Conductivity (micromhos) us/cm	1992	2114	2131	2163				
pH	7.65	7.39	7.32	7.41				
Dissolved Oxygen (mg/L & %)	2.37	0.94	1.23	1.24				
Comments:								
Speed - 105V								
Depth to Water at End of Purge (ft)								
Drawdown (ft)		0						

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	65, partially cloudy, wind SW @ 0-5 mph
Comments:	Sampled at: 1115
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 10.87 + 0.2 * 0 = 10.87	

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 9-22-16					
Project/Location Malibu, CA - Civic Center Area		Well Number: MCWP-MW05					
Observation Period Start: 1240	Stop: 1515	Survey Reference Point: TOC					
Sampled By: PS & RS		Witnessed By: PS & RS					
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)	8.98	Length of Water Column (ft)	145.42				
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65				
One Casing Volume (gal)	94.5	Three Casing Volumes (gal)	283.57				
Purge Time, Start	1245	Purge Time, Stop	1500				
Total Purge Time (minutes)	135	Purge Rate (gpm)	2.11				
Purge Volume (gal)	~ 285	Depth to Water (ft) at Sampling	8.98				
CASING OR BOREHOLE VOLUME							
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	95	190	285			At Sampling
TDS (ppm)	130	853	875	897	—	✓	
Turbidity (measured or visual) cloudy, clear, muddy	clear	clear	clear	clear			
Temperature (C)	20.59	19.49	19.18	19.21			
Conductivity (micromhos)	278	1791	1848	1861			
pH	8.96	3.50	7.52	7.49	—	✓	
Dissolved Oxygen (mg/L & %)	2.83	0.35	2.51	2.60			
Comments:							
Depth to Water at End of Purge (ft)		8.98					
Drawdown (ft)		0					
MISCELLANEOUS DATA							
Condition of Traffic Box: Good							
Drum Identification labeling: Non-Hazardous Waste							
Water Level Indicator: Solinst Model 101							
Weather Conditions: 75°F, light-moderate wind, sunny							
Comments: Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.98 + 0.2 * 0 = 8.98							
Sampled at: 1500							

Project #
15-01587

City of Malibu Civic Center
Water Quality Task 1
Surface water monitoring

9-23-16

- Sampler: Peter Shellenbarger

- Arrive in Malibu @ 1045

- Surface water Samples

L - 001 @ 1145

N - 001 1415

L - 002 @ 1335

N - 002 1425

L - 003 @ 1210

N - 003 @ 1230

L - 004 @ 1310

N - 004 @ 1445

L - 005 @ 1225

L - 006 @ 1320 | lagoon stage = full
Berm closed

- completed last sample @ 1445

- Dropped samples @ FGL laboratory

Peter Shellenbarger

Lagoon Stage - Full (Berm closed)

Malibu Creek - Dry @ SMBRP-G

Arrive: 7:45am

Depart: 12:00pm

10-21-14

Kincon Consultants

Sampler - Peter
Shellenbarger

Table 1

Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 10/21/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	5.64	1021	n/a
2 C-2	14.5	2	11.19	5.46	1018	5.11
3 CCPE	20	2	12.935	6.67	1042	5.76
4 CCPNE		2	13.675	7.40	1045	6.44
5 CCPSW		2	13.67	7.17	1048	6.29
6 CCW-4		1	15.765	7.68	0926	6.5
7 GH6-M1	35	2		29.85	1146	28.92
8 GH8-M3	40	2		29.36	1143	28.37
9 GH9-M4	45	2		31.29	1140	30.31
10 Lagoon		n/a		NA		n/a
11 LAMW-5S	20	4	104.55	55.00	0807	53.71
12 M6-1	45	2		7.83	1150	6.61
13 M6-2	20	2		6.82	1154	5.76
14 M7-1	40	2		9.01	1134	8.09
15 M7-2	25	2		8.64	1130	7.78
16 MBCMW-5	19.4	n/a	29.03	NA		n/a
17 MBCMW-6	64.26	n/a	29.02	NA		n/a
18 MBCMW-7	52.5	2	16.635	12.32	0920	11.26
19 MBCMW-8	10	2	16.53	10.02	0918	9.11
20 MBCMW-9	10	2	17.71	Dry - 9/28/12	09139	8.7
21 MBCMW-10	53	2	17.74	9.67	0936	8.63
22 MCWP-MW01	148	6		11.19	1059	10.22
23 MCWP-MW02	145	6	18.06	11.41	1054	10.39
24 MCWP-MW03	134	6		8.94	0843	7.65
25 MCWP-MW04D	148	4		10.40	1101	9.35
26 MCWP-MW04S	20	4		0.88	1103	7.55
27 MCWP-MW05	158	4		NO ACCESS - construction	0930	7.62

Lift Station construction

28	MCWP-MW06	153	2		10.90	1051	9.87
29	MCWP-MW07D	134	2		8.81	0841	7.51
30	MCWP-MW07S	20	2		6.61	0838	6.76
31	MCWP-MW08	77	2		8.00	0856	7.64
32	MCWP-MW09	95	2	16.3	6.71	0904	7.52
33	MCWP-MW10	60	2		6.61	1012	5.7
34	P-4	12.5	4	12.155	5.55	1036	4.58
35	P-9	14.3	4	12.165	6.01	1039	5.07
36	SMBRP-2	25	2	13.131	6.98	1003	6.04
37	SMBRP-6	25	2	26.875	18.13	0953	16.49
38	SMBRP-7b	45	2	18.985	11.81	0933	10.69
39	SMBRP-8 (EG-RC)	60	4		31.02	0823	28.74
40	SMBRP-9	45	2	50.32	39.55	0817	38.24
41	SMBRP-10C	25	2	16.25	8.78	0833	7.37
42	SMBRP-11	20	2	18.35	8.71	0845	8.88
43	SMBRP-12	25	2	12.615	8.09	0900	5.69
44	SMBRP-13	20	2	13.58	8.33	0854	8.32
45	SMBRP-15b	25	1	16.765	Dry	0850	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	6.18	0916	

Legend

- Monthly Transducer Well
- Monthly
- Other Well



0 500 Feet

earthforensics, inc.

MONTHLY GROUNDWATER WELLS
Civic Center Area
Malibu, CA

DATE: 8/1/2016 PROJECT: 2012.150
DRAWN BY: SAC/AR

1

Sunny, 75°F, S-Kmph
clear E-NE

Peter Shellenberg
11-18-16
DTW Event 

Table 1 Start - 10:00 End - 1445

Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 11/18/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	4.71	1150	n/a
2 C-2	14.5	2	11.19	4.48	1147	5.11
3 CCPE	20	2	12.935	5.61	1204	5.76
4 CCPNE		2	13.675	6.32	1206	6.44
5 CCPSW		2	13.67	6.22	1250	6.29
6 CCW-4		1	15.765	7.84	1108	6.5
7 GH6-M1	35	2		29.95	1408	28.92
8 GH8-M3	40	2		29.36	1405	28.37
9 GH9-M4	45	2		30.87	1402	30.31
10 Lagoon		n/a		N/A	—	n/a
11 LAMW-5S	20	4	104.55	54.91	1007	53.71
12 M6-1	45	2		7.19	1412	6.61
13 M6-2	20	2		6.96	1415	5.76
14 M7-1	40	2		8.98	1359	8.09
15 M7-2	25	2		8.88	1355	7.78
16 MBCMW-5	19.4	n/a	29.03	N/A	—	n/a
17 MBCMW-6	64.26	n/a	29.02	N/A	—	n/a
18 MBCMW-7	52.5	2	16.635	10.31	1050	11.26
19 MBCMW-8	10	2	16.53	10.11	1045	9.11
20 MBCMW-9	10	2	17.71	9.15	1117	8.7
21 MBCMW-10	53	2	17.74	8.31	1115	8.63
22 MCWP-MW01	148	6		9.94	1310	10.22
23 MCWP-MW02	145	6	18.06	10.16	1258	10.39
24 MCWP-MW03	134	6		7.64	1341	7.65
25 MCWP-MW04D	148	4		9.12	1313	9.35
26 MCWP-MW04S	20	4		8.40	1315	7.55
27 MCWP-MW05	158	4		not accessible due to construction		7.62

Malibu Creek Stage = high
↳ Bern closed → high H₂O level in Lagoon

SMPPP - 6 water level in Malibu Creek up. Visible in creek → Table discharge possible? Very little rain

28	MCWP-MW06	153	2		9.62	1256	9.87
29	MCWP-MW07D	134	2		7.54	1343	7.51
30	MCWP-MW07S	20	2		10.70	1346	6.76
31	MCWP-MW08	77	2		7.27	1429	7.64
32	MCWP-MW09	95	2	16.3	5.68	1433	7.52
33	MCWP-MW10	60	2		5.57	1140	5.7
34	P-4	12.5	4	12.155	4.51	1158	4.58
35	P-9	14.3	4	12.165	4.91	1200	5.07
36	SMBRP-2	25	2	13.131	5.94	1133	6.04
37	SMBRP-6	25	2	26.875	16.12	1125	16.49
38	SMBRP-7b	45	2	18.985	11.49	1112	10.69
39	SMBRP-8 (EG-RQ	60	4		31.16	1031	28.74
40	SMBRP-9	45	2	50.32	39.67	1023	38.24
41	SMBRP-10C	25	2	16.25	8.89	1016	7.37
42	SMBRP-11	20	2	18.35	8.47	1349	8.88
43	SMBRP-12	25	2	12.615	6.52	1435	5.69
44	SMBRP-13	20	2	13.58	7.14	1427	8.32
45	SMBRP-15b	25	1	16.765	dry	dry	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	6.02	1042	4.95

✓

Legend

- Monthly Transducer Well
- Monthly
- Other Well



0 500
Feet



ef earthforensics, inc.

MONTHLY GROUNDWATER WELLS Civic Center Area Mahab, CA

DATE 5/1/2015	PROJECT NUMBER 2012.190	SHEET 1
PROJECT NAME MCWP		

Rincon Sampler: Peter Shellenbarger

12-19-2016

Rincon Consultants

DTW Malibu Civic Center

meeting w/

Arrive 10:15 AM

Table 1

Leave 3:30 PM

1050-1135

Groundwater Monitoring Well Construction

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 12/19/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1 C-1	14.5	n/a	11.47	~~6.75~~ 6.75	1245	n/a
2 C-2	14.5	2	11.19	6.74	1240	5.11
3 CCPE	20	2	12.935	11.63	1306	5.76
4 CCPNE		2	13.675	8.82	1310	6.44
5 CCPSW		2	13.67	8.34	1312	6.29
6 CCW-4		1	15.765	7.09	1153	6.5
7 GH6-M1	35	2		30.05	1438	28.92
8 GH8-M3	40	2		29.44	1436	28.37
9 GH9-M4	45	2		31.11	1434	30.31
10 Lagoon		n/a		NA	NA	n/a
11 LAMW-5S	20	4	104.55	53.83	1027	53.71
12 M6-1	45	2		7.26	1445	6.61
13 M6-2	20	2		5.93	1429	5.76
14 M7-1	40	2		8.68	1427	8.09
15 M7-2	25	2		8.21	1425	7.78
16 MBCMW-5	19.4	n/a	29.03	NA	NA	n/a
17 MBCMW-6	64.26	n/a	29.02	NA	NA	n/a
18 MBCMW-7	52.5	2	16.635	11.65	1150	11.26
19 MBCMW-8	10	2	16.53	9.61	1148	9.11
20 MBCMW-9	10	2	17.71	8.75	1204	8.7
21 MBCMW-10	53	2	17.74	8.97	1202	8.63
22 MCWP-MW01	148	6		10.56	1322	10.22
23 MCWP-MW02	145	6	18.06	10.82	1310	10.39
24 MCWP-MW03	134	6		8.09	1410	7.65
25 MCWP-MW04D	148	4		9.68	1326	9.35
26 MCWP-MW04S	20	4		8.67	1330	7.55
27 MCWP-MW05	158	4		NA	N/A	7.62

Lagoon Stage very low - large steel beams recently Breached.

Malibu Creek full @ SM BRP-6

MCWP-MW05 C 1155 - No access. pump station for WWTP construction

28	MCWP-MW06	153	2		10.20	1316	9.87
29	MCWP-MW07D	134	2		7.99	1414	7.51
30	MCWP-MW07S	20	2		6.67	1418	6.76
31	MCWP-MW08	77	2		8.57	1501	7.64
32	MCWP-MW09	95	2	16.3	6.31	1508	7.52
33	MCWP-MW10	60	2		NA	NA	5.7
34	P-4	12.5	4	12.155	7.17	1259	4.58
35	P-9	14.3	4	12.165	7.81	1301	5.07
36	SMBRP-2	25	2	13.131	8.87	1229	6.04
37	SMBRP-6	25	2	26.875	14.46	1219	16.49
38	SMBRP-7b	45	2	18.985	11.33	1157	10.69
39	SMBRP-8 (EG-RC)	60	4		30.83	1139	28.74
40	SMBRP-9	45	2	50.32	39.79	1135	38.24
41	SMBRP-10C	25	2	16.25	7.95	1035	7.37
42	SMBRP-11	20	2	18.35	8.71	1422	8.88
43	SMBRP-12	25	2	12.615	7.16	1506	5.69
44	SMBRP-13	20	2	13.58	8.34	1600	8.32
45	SMBRP-15b	25	1	16.765	Dry	7.25	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	5.23	1145	4.95

MCWP-MW10 Not accessible due to California State Park maintenance. Several trailers parked over groundwater monitoring well. @ 1235



Project #

Dec 20, 2016

Malibu Civic Center WWTP
Task 1 - Surface H₂O
Sampling

Rincon Consultants
Peter
Shellenbarger
(PS)

Arrive in Malibu @ 1115
Time Samples Taken:

L-001 @ 1150

N-001 @ 1440

L-002 @ 1350

N-002 @ 1450

L-003 @ 1210

N-003 @ 1235

L-004 @ 1315

L-005 @ 1225

N-004 @ 1500

L-006 @ 1335

- Weather - Clear, 65°F, 0-10 mph wind
NE

- Tide

- Lagoon Stage = Low - breached recently
- Malibu Creek: Flow Present, above Creek/Lagoon
pooling → Tapic Release + rain

- Laboratory Drop-off @ 1620 (PS)

Client: Ricon 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						4053:12/05/2016						TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information					
Sampler(s) <i>Peter Shellenger</i> Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____/____/____ Lab Number: SP 2-25173						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 120ml(PBa)-Na2S2O3						Wet Chemistry-NO3-N, NO2-N, N-Organic, Total P, NH3-N 16oz(P), 16oz(P)-H2SO4											
Samp Num Location Description Date Sampled Time Sampled						1 N-001 <i>H20 L H40</i> G SW 1 1.1											
2 N-002 <i>H20 L H40</i> G SW 1 1.1																	
3 N-003 <i>H20 L H40</i> G SW 1 1.1																	
4 N-004 <i>H20 L H40</i> G SW 1 1.1																	
5 L-001 <i>H20 L H40</i> G SW 1 1.1																	
6 L-002 <i>H20 L H40</i> G SW 1 1.1																	
7 L-003 <i>H20 L H40</i> G SW 1 1.1																	
8 L-004 <i>H20 L H40</i> G SW 1 1.1																	
9 L-005 <i>H20 L H40</i> G SW 1 1.1																	
10 L-006 <i>H20 L H40</i> G SW 1 1.1																	
Remarks:						Relinquished <i>Peter Shellenger</i> Date: <i>12/20/2016</i> Time: <i>12:20</i>						Received By: <i>MAD</i> Date: " " Time: "					

Appendix B

Analytical Laboratory Reports

March 24, 2016

Rincon Consultants, Inc.

Attn: Torin Snyder

180 N. Ashwood Ave.

Ventura, CA 93003

SP 1602922:1, 4, 7, 9-12, 14

Customer ID : 2-25173

COLIFORM BACTERIA ANALYSIS

System Number :

Project Name : Malibu WWTP-GW-SNMP/MOU

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	SP 1602922-001	SMBRP-9	Source-Other	Peter Shellenbarger	Rincon Consultants,	03/15/2016 08:55	03/15/2016 16:34 RV	03/19/2016 RV
2	SP 1602922-004	SMBRP-12	Source-Other	Peter Shellenbarger	Rincon Consultants,	03/15/2016 12:10	03/15/2016 16:36 RV	03/17/2016 RV
3	SP 1602922-007	MCWP-MW09	Source-Other	Peter Shellenbarger	Rincon Consultants,	03/15/2016 13:07	03/15/2016 16:38 RV	03/17/2016 RV
4	SP 1602922-009	LAMW-5S	Source-Other	Peter Shellenbarger	Rincon Consultants,	03/15/2016 09:30	03/15/2016 16:40 RV	03/17/2016 RV
5	SP 1602922-010	SMBRP-13	Source-Other	Peter Shellenbarger	Rincon Consultants,	03/15/2016 11:30	03/15/2016 16:42 RV	03/17/2016 RV
6	SP 1602922-011	MCWP-MW10	Source-Other	Peter Shellenbarger	Rincon Consultants,	03/15/2016 13:44	03/15/2016 16:44 RV	03/19/2016 RV
7	SP 1602922-012	CCPE	Source-Other	Peter Shellenbarger	Rincon Consultants,	03/15/2016 10:28	03/15/2016 16:46 RV	03/17/2016 RV
8	SP 1602922-014	SMBRP-7B	Source-Other	Peter Shellenbarger	Rincon Consultants,	03/15/2016 14:55	03/15/2016 16:48 RV	03/18/2016 RV

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	< 1.8	< 1.8	---	N/R			
2	SMBRP-12	---	---	SM 9221B	MPN/100ml	< 1.8	< 1.8	---	N/R			
3	MCWP-MW09	---	---	SM 9221B	MPN/100ml	< 1.8	< 1.8	---	N/R			
4	LAMW-5S	---	---	SM 9221B	MPN/100ml	> 1600	350	---	N/R			
5	SMBRP-13	---	---	SM 9221B	MPN/100ml	< 1.8	< 1.8	---	N/R			
6	MCWP-MW10	---	---	SM 9221B	MPN/100ml	2	< 1.8	---	N/R			
7	CCPE	---	---	SM 9221B	MPN/100ml	240	4.5	---	N/R			
8	SMBRP-7B	---	---	SM 9221B	MPN/100ml	110	11	---	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.

RRH:SMH

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2016-03-24

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 93201
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

April 8, 2016

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

Lab ID : SP 1602922
 Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 13 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(8 pages)	: Results for each sample submitted.
Quality Control	(3 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
SMBRP-9	03/15/2016	03/15/2016	SP 1602922-001	MW
SMBRP-12	03/15/2016	03/15/2016	SP 1602922-004	MW
MCWP-MW09	03/15/2016	03/15/2016	SP 1602922-007	MW
LAMW-5S	03/15/2016	03/15/2016	SP 1602922-009	MW
SMBRP-13	03/15/2016	03/15/2016	SP 1602922-010	MW
MCWP-MW10	03/15/2016	03/15/2016	SP 1602922-011	MW
CCPE	03/15/2016	03/15/2016	SP 1602922-012	MW
SMBRP-7B	03/15/2016	03/15/2016	SP 1602922-014	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	03/16/2016:203028 All preparation quality controls are within established criteria
351.2	03/17/2016:203061 All preparation quality controls are within established criteria
4500NH3G	03/21/2016:203887 All analysis quality controls are within established criteria
	03/23/2016:204044 All analysis quality controls are within established criteria
	03/21/2016:203179 All preparation quality controls are within established criteria

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1602922
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NH3G	03/23/2016:203299 All preparation quality controls are within established criteria
4500NO2F	03/16/2016:203047 All preparation quality controls are within established criteria
4500NO3F	03/16/2016:203729 All analysis quality controls are within established criteria
	03/16/2016:203736 All analysis quality controls are within established criteria
	03/16/2016:203029 All preparation quality controls are within established criteria
4500-P B	03/16/2016:203041 All preparation quality controls are within established criteria
	03/30/2016:203628 All preparation quality controls are within established criteria
4500PE	03/17/2016:203706 All analysis quality controls are within established criteria
	03/31/2016:204414 All analysis quality controls are within established criteria
EPA351.2	03/22/2016:203952 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: 2016-04-08

April 8, 2016

Lab ID : SP 1602922-001

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 15, 2016-08:55

Sampled By : Peter Shellenbarger

Received On : March 15, 2016-16:20

Matrix : Monitoring Well

Description : SMBRP-9

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation		Sample Analysis			
							Method	ID	Time	Method	ID	Time
Wet Chemistry P:1												
Nitrate Nitrogen	15.1	0.1	0.032	mg/L	1		4500NO3F	203029	03/16/16 15:10	4500NO3F	203736-FI207	03/16/16-21:26NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203047	03/16/16 15:10	4500NO3F	203729-FI207	03/16/16-21:23NMRP
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-05:01AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-05:01AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	203061	03/17/16 08:11	EPA351.2	203952-FI206	03/22/16-04:17AMB
Phosphorus, Total	0.462	0.2	0.031	mg/L	2	b	4500-P B	203041	03/16/16 15:40	4500PE	203706-UV205	03/17/16-19:35SJN
Total Dissolved Solids (TFR)	2100	20	5.8	mg/L	1		2540CE	203028	03/16/16 11:56	2540C	203751-WT219	03/17/16-10:05JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602922-004

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 15, 2016-12:10

Sampled By : Peter Shellenbarger

Received On : March 15, 2016-16:20

Matrix : Monitoring Well

Description : SMBRP-12

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0600	0.1	0.032	mg/L	1	J	4500NO3F	203029	03/16/16 15:10	4500NO3F	203736-FI207	03/16/16-21:28NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203047	03/16/16 15:10	4500NO3F	203729-FI207	03/16/16-21:26NMRP
Nitrogen, Organic	2.90	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-07:00AMB
Ammonia Nitrogen	5.67	0.2	0.072	mg/L	1		4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-07:00AMB
Kjeldahl Nitrogen	8.57	0.5	0.32	mg/L	1	b	351.2	203061	03/17/16 08:11	EPA351.2	203952-FI206	03/22/16-04:18AMB
Phosphorus, Total	1.43	0.1	0.031	mg/L	1	b	4500-P B	203041	03/16/16 15:40	4500PE	203706-UV205	03/17/16-19:36SJN
Total Dissolved Solids (TFR)	2290	20	5.8	mg/L	1		2540CE	203028	03/16/16 11:56	2540C	203751-WT219	03/17/16-10:17JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602922-007

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 15, 2016-13:07

Sampled By : Peter Shellenbarger

Received On : March 15, 2016-16:20

Matrix : Monitoring Well

Description : MCWP-MW09

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	203029	03/16/16 15:10	4500NO3F	203736-FI207	03/16/16-21:30NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203047	03/16/16 15:10	4500NO3F	203729-FI207	03/16/16-21:28NMRP
Nitrogen, Organic	0.840	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:03AMB
Ammonia Nitrogen	2.36	0.2	0.072	mg/L	1		4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:03AMB
Kjeldahl Nitrogen	3.20	0.5	0.32	mg/L	1	b	351.2	203061	03/17/16 08:11	EPA351.2	203952-FI206	03/22/16-04:19AMB
Phosphorus, Total	0.355	0.1	0.031	mg/L	1	b	4500-P B	203041	03/16/16 15:40	4500PE	203706-UV205	03/17/16-19:37SJM
Total Dissolved Solids (TFR)	2410	34	5.8	mg/L	1.7		2540CE	203028	03/16/16 11:56	2540C	203751-WT219	03/17/16-10:23JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602922-009

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 15, 2016-09:30

Sampled By : Peter Shellenbarger

Received On : March 15, 2016-16:20

Matrix : Monitoring Well

Description : LAMW-5S

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	8.20	0.1	0.032	mg/L	1		4500NO3F	203029	03/16/16 15:10	4500NO3F	203736-FI207	03/16/16-21:32NMRP
Nitrite Nitrogen	0.0130	0.1	0.011	mg/L	1	J	4500NO2F	203047	03/16/16 15:10	4500NO3F	203729-FI207	03/16/16-21:30NMRP
Nitrogen, Organic	0.359	0.5	0.072	mg/L	1	UJb	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-07:35AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-07:35AMB
Kjeldahl Nitrogen	0.359	0.5	0.32	mg/L	1	Jb	351.2	203061	03/17/16 08:11	EPA351.2	203952-FI206	03/22/16-04:20AMB
Phosphorus, Total	9.43	0.5	0.031	mg/L	5	b	4500-P B	203628	03/30/16 16:30	4500PE	204414-UV205	03/31/16-16:52SJN
Total Dissolved Solids (TFR)	713	20	5.8	mg/L	1		2540CE	203028	03/16/16 11:56	2540C	203751-WT219	03/17/16-10:02JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602922-010

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 15, 2016-11:30

Sampled By : Peter Shellenbarger

Received On : March 15, 2016-16:20

Matrix : Monitoring Well

Description : SMBRP-13

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	203029	03/16/16 15:12	4500NO3F	203736-FI207	03/16/16-21:49NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203047	03/16/16 15:12	4500NO3F	203729-FI207	03/16/16-21:47NMRP
Nitrogen, Organic	0.556	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:38AMB
Ammonia Nitrogen	0.884	0.2	0.072	mg/L	1		4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:38AMB
Kjeldahl Nitrogen	1.44	0.5	0.32	mg/L	1	b	351.2	203061	03/17/16 08:11	EPA351.2	203952-FI206	03/22/16-04:21AMB
Phosphorus, Total	0.461	0.1	0.031	mg/L	1	b	4500-P B	203041	03/16/16 15:40	4500PE	203706-UV205	03/17/16-19:39SJM
Total Dissolved Solids (TFR)	27500	170	5.8	mg/L	8.5		2540CE	203028	03/16/16 11:56	2540C	203751-WT219	03/17/16-10:11JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602922-011

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 15, 2016-13:44

Sampled By : Peter Shellenbarger

Received On : March 15, 2016-16:20

Matrix : Monitoring Well

Description : MCWP-MW10

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.600	0.1	0.032	mg/L	1		4500NO3F	203029	03/16/16 15:12	4500NO3F	203736-FI207	03/16/16-21:51NMRP
Nitrite Nitrogen	0.0230	0.1	0.011	mg/L	1	J	4500NO2F	203047	03/16/16 15:12	4500NO3F	203729-FI207	03/16/16-21:49NMRP
Nitrogen, Organic	1.28	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-04:56AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-04:56AMB
Kjeldahl Nitrogen	1.28	0.5	0.32	mg/L	1	b	351.2	203061	03/17/16 08:11	EPA351.2	203952-FI206	03/22/16-04:22AMB
Phosphorus, Total	0.0755	0.1	0.031	mg/L	1	Jb	4500-P B	203041	03/16/16 15:40	4500PE	203706-UV205	03/17/16-19:42SJN
Total Dissolved Solids (TFR)	1800	20	5.8	mg/L	1		2540CE	203028	03/16/16 11:56	2540C	203751-WT219	03/17/16-10:06JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602922-012

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 15, 2016-10:28

Sampled By : Peter Shellenbarger

Received On : March 15, 2016-16:20

Matrix : Monitoring Well

Description : CCPE

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.900	0.1	0.032	mg/L	1		4500NO3F	203029	03/16/16 15:12	4500NO3F	203736-FI207	03/16/16-21:53NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203047	03/16/16 15:12	4500NO3F	203729-FI207	03/16/16-21:51NMRP
Nitrogen, Organic	0.664	0.5	0.072	mg/L	1	Jb	4500NH3G	203179	03/21/16 03:00	4500NH3G	203887-FI207	03/21/16-09:00AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203179	03/21/16 03:00	4500NH3G	203887-FI207	03/21/16-09:00AMB
Kjeldahl Nitrogen	0.664	0.5	0.32	mg/L	1	Jb	351.2	203061	03/17/16 08:11	EPA351.2	203952-FI206	03/22/16-04:26AMB
Phosphorus, Total	0.0518	0.1	0.031	mg/L	1	Jb	4500-P B	203041	03/16/16 15:40	4500PE	203706-UV205	03/17/16-19:43SJN
Total Dissolved Solids (TFR)	1800	20	5.8	mg/L	1		2540CE	203028	03/16/16 11:56	2540C	203751-WT219	03/17/16-10:04JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602922-014

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 15, 2016-14:55

Sampled By : Peter Shellenbarger

Received On : March 15, 2016-16:20

Matrix : Monitoring Well

Description : SMBRP-7B

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	203029	03/16/16 15:12	4500NO3F	203736-FI207	03/16/16-21:56NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203047	03/16/16 15:12	4500NO3F	203729-FI207	03/16/16-21:53NMRP
Nitrogen, Organic	1.37	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-05:03AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-05:03AMB
Kjeldahl Nitrogen	1.37	0.5	0.32	mg/L	1	b	351.2	203061	03/17/16 08:11	EPA351.2	203952-FI206	03/22/16-04:27AMB
Phosphorus, Total	0.916	0.2	0.031	mg/L	2	b	4500-P B	203041	03/16/16 15:40	4500PE	203706-UV205	03/17/16-19:44SJN
Total Dissolved Solids (TFR)	1400	20	5.8	mg/L	1		2540CE	203028	03/16/16 11:56	2540C	203751-WT219	03/17/16-10:23JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1602922
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Dissolved Solids (TFR)	2540CE	03/16/16:203028CTL (SP 1602922-012)	Blank LCS Dup	mg/L mg/L mg/L	995.8	ND 99.9 % 0.8%	<20 90-110 5	
Nitrogen, Total Kjeldahl	351.2	03/17/16:203061JMG (SP 1602922-004)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00	ND 107 % 82.2 % 85.6 % 2.2%	<1 73-124 54-136 54-136 ≤27	
Ammonia Nitrogen	4500NH3G	(STK1632701-005)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	103 % 101 % 2.4%	70-130 70-130 ≤20	
	4500NH3G	03/21/16:203887AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	2.000 2.000 2.000	-0.190 106 % -0.167 104 %	0.2 90-110 0.2 90-110	
	4500NH3G	(SP 1602997-006)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	106 % 104 % 1.6%	70-130 70-130 ≤20	
		(STK1632916-003)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	102 % 103 % 0.2%	70-130 70-130 ≤20	
		(SP 1603136-005)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	106 % 101 % 4.2%	70-130 70-130 ≤20	
		(SP 1603093-004)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	102 % 103 % 0.6%	70-130 70-130 ≤20	
	4500NH3G	03/23/16:204044AMB	ICB ICV CCB CCV CCB CCV CCB CCV CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	-0.138 107 % -0.136 104 % -0.121 102 % -0.113 103 % -0.124 103 % 0.000 103 % -0.070 100 %	0.2 90-110 0.2 90-110 0.2 90-110 0.2 90-110 0.2 90-110 0.2 90-110 0.2 90-110	
	4500NO2F	(STK1632874-001)	MS MSD MSRPD	mg/L mg/L mg/L	1.270 1.270 1.270	90.8 % 95.0 % 4.6%	50-150 50-150 ≤30	
		(SP 1602922-010)	MS MSD MSRPD	mg/L mg/L mg/L	1.270 1.270 1.270	90.9 % 90.7 % 0.3%	50-150 50-150 ≤30	
	4500NO3F	(STK1632874-001)	MS MSD MSRPD	mg/L mg/L mg/L	11.27 11.27 11.27	95.2 % 97.5 % 2.0%	5-285 5-285 ≤30.4	
		(SP 1602922-010)	MS MSD MSRPD	mg/L mg/L mg/L	11.27 11.27 11.27	89.8 % 91.0 % 1.3%	5-285 5-285 ≤30.4	
	4500NO3F	03/16/16:203736NMRP	CCB CCV	mg/L mg/L	11.27 11.27	-0.060 98.4 %	0.1 90-110	

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1602922
Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrate + Nitrite as N	4500NO3F	03/16/16:203736NMRP	CCB CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L	 11.27 11.27	-0.004 -0.067 95.0 % -0.016 97.9 %	0.1 0.1 90-110 0.1 90-110	
Nitrite as Nitrogen	4500NO3F	03/16/16:203729NMRP	CCB CCV CCB CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 1.270 1.270 1.270	0.003 96.5 % 0.003 0.004 97.1 % 0.003 97.3 %	0.2 90-110 0.2 0.2 90-110 0.2 90-110	
Phosphorus	4500-P B	03/16/16:203041sjn (CC 1680747-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	 0.5000 0.2500 0.2500 0.2500	ND 111 % -686 % -734 % 3.1%	<0.1 90-116 <¼ <¼ ≤13.2	
	4500-P B	03/30/16:203628SJN (CC 1680939-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	 0.5000 0.2500 0.2500 0.2500	ND 99.0 % -918 % -1060 % 7.4%	<0.1 90-116 <¼ <¼ ≤13.2	
Total Phosphorus	4500PE	03/17/16:203706SJN	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	 0.5000 0.5000 0.5000	0.025 106 % 0.012 102 % 0.062 102 %	0.1 90-110 0.1 90-110 0.1 90-110	
	4500PE	03/31/16:204414SJN	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	 0.5000 0.5000	0.023 96.9 % 0.028 90.6 %	0.1 90-110 0.1 90-110	
Nitrogen, Total Kjeldahl	EPA351.2	03/22/16:203952AMB	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	 5.000 5.000 5.000	-0.092 94.4 % -0.040 108 % -0.191 104 %	0.5 90-110 0.5 90-110 0.5 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 analyte. 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.								

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1602922
Customer : 2-25173

Quality Control - Inorganic

Definition	
<1/4	: 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.

March 24, 2016

Rincon Consultants, Inc.

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

SP 1602996:2-3, 6, 8, 13 **COLIFORM BACTERIA ANALYSIS**
 Customer ID : 2-25173

System Number :
 Project Name : Malibu WWTP-GW-SNMP/MOU

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	SP 1602996-002	MCWP-MW04S	Source-Other	Peter Shellenberger	Rincon Consultants,	03/16/2016 14:10	03/16/2016 16:50 RV	03/18/2016 RV
2	SP 1602996-003	MCWP-MW07S	Source-Other	Peter Shellenberger	Rincon Consultants,	03/16/2016 09:10	03/16/2016 16:52 LM	03/19/2016 LM
3	SP 1602996-006	MCWP-07D	Source-Other	Peter Shellenberger	Rincon Consultants,	03/16/2016 10:02	03/16/2016 16:54 LM	03/18/2016 LM
4	SP 1602996-008	TY-MW-1	Source-Other	Peter Shellenberger	Rincon Consultants,	03/16/2016 11:24	03/16/2016 16:56 RV	03/19/2016 RV
5	SP 1602996-013	MBCMW-9	Source-Other	Peter Shellenberger	Rincon Consultants,	03/16/2016 13:45	03/16/2016 16:58 RV	03/19/2016 RV

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	< 1.8	---	N/R			
2	MCWP-MW07S	---	---	SM 9221B	MPN/100ml	49	< 1.8	---	N/R			
3	MCWP-07D	---	---	SM 9221B	MPN/100ml	< 1.8	< 1.8	---	N/R			
4	TY-MW-1	---	---	SM 9221B	MPN/100ml	< 1.8	< 1.8	---	N/R			
5	MBCMW-9	---	---	SM 9221B	MPN/100ml	7.8	< 1.8	---	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.

RRH:SMH

Reviewed and
 Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
 Title: Tech Director Microbiology
 Date: 2016-03-24

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 Leandro, CA 94689
 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

April 8, 2016

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

Lab ID : SP 1602996
 Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 10 pages divided into 3 sections:

Case Narrative	(2 pages) : An overview of the work performed at FGL.
Sample Results	(6 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
MCWP-MW04S	03/16/2016	03/16/2016	SP 1602996-002	MW
MCWP-MW07S	03/16/2016	03/16/2016	SP 1602996-003	MW
MCWP-07D	03/16/2016	03/16/2016	SP 1602996-006	MW
TY-MW-1	03/16/2016	03/16/2016	SP 1602996-008	MW
MBCM-W-9	03/16/2016	03/16/2016	SP 1602996-013	MW
MCWP-MW06	03/16/2016	03/16/2016	SP 1602996-016	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	03/18/2016:203156 All preparation quality controls are within established criteria
351.2	03/18/2016:203121 All preparation quality controls are within established criteria
4500NH3G	03/21/2016:203887 All analysis quality controls are within established criteria
	03/23/2016:204044 All analysis quality controls are within established criteria
	03/21/2016:203179 All preparation quality controls are within established criteria
	03/23/2016:203299 All preparation quality controls are within established criteria

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1602996
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO2F	03/17/2016:203120 All preparation quality controls are within established criteria
4500NO3F	03/17/2016:203799 All analysis quality controls are within established criteria
	03/17/2016:204026 All analysis quality controls are within established criteria
	03/17/2016:202959 All preparation quality controls are within established criteria
4500-P B	03/17/2016:203109 All preparation quality controls are within established criteria
4500PE	03/18/2016:203783 All analysis quality controls are within established criteria
EPA351.2	03/22/2016:203952 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: 2016-04-08

April 8, 2016

Lab ID : SP 1602996-002

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 16, 2016-14:10

Sampled By : Peter Shellenberger

Received On : March 16, 2016-16:10

Matrix : Monitoring Well

Description : MCWP-MW04S

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry P:1												
Nitrate Nitrogen	0.200	0.1	0.032	mg/L	1		4500NO3F	202959	03/17/16 09:20	4500NO3F	204026-FI207	03/17/16-13:52NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203120	03/17/16 09:20	4500NO3F	203799-FI207	03/17/16-13:50NMRP
Nitrogen, Organic	1.60	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-06:34AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-06:34AMB
Kjeldahl Nitrogen	1.60	0.5	0.32	mg/L	1	b	351.2	203121	03/18/16 08:09	EPA351.2	203952-FI206	03/22/16-04:54AMB
Phosphorus, Total	0.548	0.1	0.031	mg/L	1	b	4500-P B	203109	03/17/16 16:34	4500PE	203783-UV205	03/18/16-19:17SJN
Total Dissolved Solids (TFR)	6320	34	5.8	mg/L	1.7	b	2540CE	203156	03/18/16 15:15	2540C	203879-WT219	03/21/16-09:37JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602996-003

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 16, 2016-09:10

Sampled By : Peter Shellenberger

Received On : March 16, 2016-16:10

Matrix : Monitoring Well

Description : MCWP-MW07S

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	4.80	0.1	0.032	mg/L	1	UJb	4500NO3F	202959	03/17/16 09:20	4500NO3F	204026-FI207	03/17/16-13:54NMRP
Nitrite Nitrogen	0.240	0.1	0.011	mg/L	1		4500NO2F	203120	03/17/16 09:20	4500NO3F	203799-FI207	03/17/16-13:52NMRP
Nitrogen, Organic	0.471	0.5	0.072	mg/L	1		4500NH3G	203179	03/21/16 03:00	4500NH3G	203887-FI207	03/21/16-06:07AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1		4500NH3G	203179	03/21/16 03:00	4500NH3G	203887-FI207	03/21/16-06:07AMB
Kjeldahl Nitrogen	0.471	0.5	0.32	mg/L	1	Jb	351.2	203121	03/18/16 08:09	EPA351.2	203952-FI206	03/22/16-04:55AMB
Phosphorus, Total	2.39	0.2	0.031	mg/L	2	b	4500-P B	203109	03/17/16 16:34	4500PE	203783-UV205	03/18/16-19:18SJN
Total Dissolved Solids (TFR)	1180	20	5.8	mg/L	1	b	2540CE	203156	03/18/16 15:15	2540C	203879-WT219	03/21/16-09:48JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602996-006

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 16, 2016-10:02

Sampled By : Peter Shellenberger

Received On : March 16, 2016-16:10

Matrix : Monitoring Well

Description : MCWP-07D

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0800	0.1	0.032	mg/L	1	J	4500NO3F	202959	03/17/16 09:20	4500NO3F	204026-FI207	03/17/16-13:56NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203120	03/17/16 09:20	4500NO3F	203799-FI207	03/17/16-13:54NMRP
Nitrogen, Organic	1.15	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:47AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:47AMB
Kjeldahl Nitrogen	1.15	0.5	0.32	mg/L	1	b	351.2	203121	03/18/16 08:09	EPA351.2	203952-FI206	03/22/16-04:57AMB
Phosphorus, Total	0.239	0.1	0.031	mg/L	1	b	4500-P B	203109	03/17/16 16:34	4500PE	203783-UV205	03/18/16-19:19SJN
Total Dissolved Solids (TFR)	2470	20	5.8	mg/L	1	b	2540CE	203156	03/18/16 15:15	2540C	203879-WT219	03/21/16-09:58JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602996-008

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 16, 2016-11:24

Sampled By : Peter Shellenberger

Received On : March 16, 2016-16:10

Matrix : Monitoring Well

Description : TY-MW-1

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0400	0.1	0.032	mg/L	1	J	4500NO3F	202959	03/17/16 09:20	4500NO3F	204026-FI207	03/17/16-13:59NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203120	03/17/16 09:20	4500NO3F	203799-FI207	03/17/16-13:56NMRP
Nitrogen, Organic	1.03	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:50AMB
Ammonia Nitrogen	0.433	0.2	0.072	mg/L	1		4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:50AMB
Kjeldahl Nitrogen	1.46	0.5	0.32	mg/L	1	b	351.2	203121	03/18/16 08:09	EPA351.2	203952-FI206	03/22/16-04:58AMB
Phosphorus, Total	0.758	0.2	0.031	mg/L	2	b	4500-P B	203109	03/17/16 16:34	4500PE	203783-UV205	03/18/16-19:20SJN
Total Dissolved Solids (TFR)	2160	20	5.8	mg/L	1	b	2540CE	203156	03/18/16 15:15	2540C	203879-WT219	03/21/16-09:50JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602996-013

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 16, 2016-13:45

Sampled By : Peter Shellenberger

Received On : March 16, 2016-16:10

Matrix : Monitoring Well

Description : MBCMW-9

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0700	0.1	0.032	mg/L	1	J	4500NO3F	202959	03/17/16 09:20	4500NO3F	204026-FI207	03/17/16-14:01NMRP
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203120	03/17/16 09:20	4500NO3F	203799-FI207	03/17/16-13:58NMRP
Nitrogen, Organic	1.82	0.5	0.072	mg/L	1	b	4500NH3G	203179	03/21/16 03:00	4500NH3G	203887-FI207	03/21/16-07:15AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203179	03/21/16 03:00	4500NH3G	203887-FI207	03/21/16-07:15AMB
Kjeldahl Nitrogen	1.82	0.5	0.32	mg/L	1	b	351.2	203121	03/18/16 08:09	EPA351.2	203952-FI206	03/22/16-04:59AMB
Phosphorus, Total	2.26	0.2	0.031	mg/L	2	b	4500-P B	203109	03/17/16 16:34	4500PE	203783-UV205	03/18/16-19:21SJN
Total Dissolved Solids (TFR)	6080	34	5.8	mg/L	1.7	b	2540CE	203156	03/18/16 15:15	2540C	203879-WT219	03/21/16-09:32JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1602996-016

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 16, 2016-13:15

Sampled By : Peter Shellenberger

Received On : March 16, 2016-16:10

Matrix : Monitoring Well

Description : MCWP-MW06

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	202959	03/17/16 09:20	4500NO3F	204026-FI207	03/17/16-13:50NMRP
Total Dissolved Solids (TFR)	1520	20	5.8	mg/L	1	b	2540CE	203156	03/18/16 15:15	2540C	203879-WT219	03/21/16-09:44JMG
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1602996
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Dissolved Solids (TFR)	2540CE	03/18/16:203156CTL (STK1632917-001)	Blank LCS Dup	mg/L mg/L mg/L	995.8	ND 97.2 % 0.7%	<20 90-110 5	
Nitrogen, Total Kjeldahl	351.2	03/18/16:203121JMG (SP 1602996-006)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00	ND 106 % 90.8 % 97.3 % 6.3%	<1 73-124 54-136 54-136 ≤27	
Ammonia Nitrogen	4500NH3G	(SP 1603027-003)	MS	mg/L	2.000	109 %	70-130	
			MSD	mg/L	2.000	109 %	70-130	
			MSRPD	mg/L	2.000	0.05%	≤20	
			MS	mg/L	2.000	109 %	70-130	
			MSD	mg/L	2.000	102 %	70-130	
	4500NH3G	03/21/16:203887AMB	MSRPD	mg/L	2.000	6.0%	≤20	
			CCB	mg/L	2.000	-0.176	0.2	
			CCV	mg/L	2.000	106 %	90-110	
			CCB	mg/L	2.000	-0.115	0.2	
			CCV	mg/L	2.000	107 %	90-110	
			CCB	mg/L	2.000	-0.184	0.2	
			CCV	mg/L	2.000	104 %	90-110	
			CCB	mg/L	2.000	-0.178	0.2	
			CCV	mg/L	2.000	108 %	90-110	
	4500NH3G	(STK1632916-003)	MS	mg/L	2.000	102 %	70-130	
			MSD	mg/L	2.000	103 %	70-130	
			MSRPD	mg/L	2.000	0.2%	≤20	
			MS	mg/L	2.000	102 %	70-130	
			MSD	mg/L	2.000	103 %	70-130	
	4500NH3G	03/23/16:204044AMB	MSRPD	mg/L	2.000	0.6%	≤20	
			CCB	mg/L	2.000	-0.042	0.2	
			CCV	mg/L	2.000	108 %	90-110	
			CCB	mg/L	2.000	-0.121	0.2	
			CCV	mg/L	2.000	102 %	90-110	
			CCB	mg/L	2.000	0.000	0.2	
			CCV	mg/L	2.000	103 %	90-110	
			CCB	mg/L	2.000	-0.070	0.2	
			CCV	mg/L	2.000	100 %	90-110	
Nitrite as Nitrogen	4500NO2F	(SP 1602996-016)	MS	mg/L	1.270	86.1 %	50-150	
			MSD	mg/L	1.270	81.0 %	50-150	
			MSRPD	mg/L	1.270	6.1%	≤30	
Nitrate + Nitrite as N	4500NO3F	(SP 1602996-016)	MS	mg/L	11.27	84.4 %	5-285	
			MSD	mg/L	11.27	81.8 %	5-285	
			MSRPD	mg/L	11.27	3.0%	≤30.4	
	4500NO3F	03/17/16:204026NMRP	ICB	mg/L	11.27	0.014	0.1	
			ICV	mg/L	11.27	93.9 %	90-110	
Nitrite as Nitrogen	4500NO3F	03/17/16:203799NMRP	CCB	mg/L	11.27	0.060	0.1	
			CCV	mg/L	11.27	95.4 %	90-110	
			ICB	mg/L	1.270	0.004	0.2	
			ICV	mg/L	1.270	97.1 %	90-110	
Phosphorus	4500-P B	03/17/16:203109sjn (CC 1680857-001)	CCB	mg/L	1.270	0.005	0.2	
			CCV	mg/L	1.270	96.6 %	90-110	
			Blank	mg/L	0.5000	ND	<0.1	
			LCS	mg/L	0.2500	102 %	90-116	
			MS	mg/L	0.2500	-749 %	<¼	
			MSD	mg/L	0.2500	-718 %	<¼	
			MSRPD	mg/L	0.2500	1.8%	≤13.2	

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1602996
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Phosphorus	4500PE	03/18/16:203783SJN	CCB	mg/L		0.033	0.1	
			CCV	mg/L	0.5000	104 %	90-110	
			CCB	mg/L		0.01	0.1	
			CCV	mg/L	0.5000	103 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	03/22/16:203952AMB	CCB	mg/L		-0.261	0.5	
			CCV	mg/L	5.000	98.4 %	90-110	
			CCB	mg/L		-0.229	0.5	
			CCV	mg/L	5.000	100 %	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 analyte. 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.								
<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.								

March 24, 2016

Rincon Consultants, Inc.

Attn: Torin Snyder

180 N. Ashwood Ave.

Ventura, CA 93003

SP 1603053:5 COLIFORM BACTERIA ANALYSIS

Customer ID : 2-25173

System Number :

Project Name : Malibu WWTP-GW-SNMP/MOU

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	SP 1603053-005	MCWP-04D	Source-Other	Peter Shellenbarger	Rincon	03/17/2016 15:15	03/17/2016 17:28 LM	03/19/2016 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	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: 2016-03-24

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 93201
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

April 8, 2016

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

Lab ID : SP 1603053
 Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 6 pages divided into 3 sections:

Case Narrative	(2 pages) : An overview of the work performed at FGL.
Sample Results	(2 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
MCWP-04D	03/17/2016	03/17/2016	SP 1603053-005	MW
MCWP-MW05	03/17/2016	03/17/2016	SP 1603053-015	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	03/21/2016:203210 All preparation quality controls are within established criteria
351.2	03/19/2016:203171 All preparation quality controls are within established criteria
4500NH3G	03/21/2016:203887 All analysis quality controls are within established criteria
	03/21/2016:203179 All preparation quality controls are within established criteria
4500NO2B	03/18/2016:203854 All analysis quality controls are within established criteria
	03/18/2016:203165 All preparation quality controls are within established criteria
4500NO3F	03/22/2016:204028 All analysis quality controls are within established criteria
	03/22/2016:203247 All preparation quality controls are within established criteria

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1603053
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500-P B	03/24/2016:203415 All preparation quality controls are within established criteria
4500PE	03/25/2016:204162 All analysis quality controls are within established criteria
EPA351.2	03/22/2016:203952 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: 2016-04-08

April 8, 2016

Lab ID : SP 1603053-005

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 17, 2016-15:15

Sampled By : Peter Shellenbarger

Received On : March 17, 2016-17:20

Matrix : Monitoring Well

Description : MCWP-04D

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	1.70	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-12:57NMRP
Nitrite Nitrogen	0.00832	0.1	0.0016	mg/L	1	J	4500NO2B	203165	03/18/16 17:17	4500NO2B	203854-UV207	03/18/16-17:55SJN
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	203179	03/21/16 03:00	4500NH3G	203887-FI207	03/21/16-07:26AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203179	03/21/16 03:00	4500NH3G	203887-FI207	03/21/16-07:26AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	203171	03/19/16 06:36	EPA351.2	203952-FI206	03/22/16-05:32AMB
Phosphorus, Total	0.0465	0.1	0.031	mg/L	1	Jb	4500-P B	203415	03/24/16 15:40	4500PE	204162-UV205	03/25/16-16:43SJN
Total Dissolved Solids (TFR)	1600	20	5.8	mg/L	1	b	2540CE	203210	03/21/16 11:55	2540C	203959-WT219	03/22/16-09:43CTL
DQF Flags Definition:												
b		The Blank was positive for constituent but less than the PQL										
U		Constituent results were non-detect.										
J		To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.										

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016

Lab ID : SP 1603053-015

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 17, 2016-12:10

Sampled By : Peter Shellenbarger

Received On : March 17, 2016-17:20

Matrix : Monitoring Well

Description : MCWP-MW05

Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	2.10	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-12:59NMRP
Total Dissolved Solids (TFR)	1400	20	5.8	mg/L	1	b	2540CE	203210	03/21/16 11:55	2540C	203959-WT219	03/22/16-10:03CTL
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1603053
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note	
Wet Chem									
Total Dissolved Solids (TFR)	2540CE	03/21/16:203210CTL (SP 1603042-001)	Blank LCS Dup	mg/L mg/L mg/L	995.8	ND 98.0 % 1.0%	<20 90-110 5		
Nitrogen, Total Kjeldahl	351.2	03/19/16:203171jmg (SP 1602997-005)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00	ND 100 % 107 % 101 % 5.1%	<1 73-124 54-136 54-136 ≤27		
Ammonia Nitrogen	4500NH3G	(SP 1602869-002)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	109 % 102 % 6.0%	70-130 70-130 ≤20		
	4500NH3G		03/21/16:203887AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	2.000 2.000 2.000	-0.184 104 % -0.178 108 %	0.2 90-110 0.2 90-110	
	4500NO2B		(SP 1603053-005)	MS MSD MSRPD	mg/L mg/L mg/L	0.2284 0.2284 0.2284	86.2 % 87.2 % 0.0024	1-173 1-173 ≤0.1	
	4500NO2B	03/18/16:203854SJN		CCV CCB CCV CCB	mg/L mg/L mg/L mg/L	0.1522 0.1522 0.1522	92.7 % 0.005 95.9 % 0.008	90-110 0.1 90-110 0.1	
Nitrite as Nitrogen	4500NO2B	(SP 1603053-005)	MS MSD MSRPD	mg/L mg/L mg/L	0.2284 0.2284 0.2284	86.2 % 87.2 % 0.0024	1-173 1-173 ≤0.1		
	4500NO2B		03/18/16:203854SJN	CCV CCB CCV CCB	mg/L mg/L mg/L mg/L	0.1522 0.1522 0.1522	92.7 % 0.005 95.9 % 0.008	90-110 0.1 90-110 0.1	
Nitrate + Nitrite as N	4500NO3F	(VI 1640765-001)	MS MSD MSRPD	mg/L mg/L mg/L	11.27 11.27 11.27	80.7 % 79.2 % 1.4%	5-285 5-285 ≤30.4		
	4500NO3F		03/22/16:204028NMRP	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	11.27 11.27 11.27	0.095 92.7 % 0.108 93.3 %	0.1 90-110 0.1 90-110	
	Phosphorus	4500-P B	03/24/16:203415sjn (CC 1680781-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	0.5000 0.2500 0.2500 0.2500	ND 105 % -412 % -364 % 2.7%	<0.1 90-116 <¼ <¼ ≤13.2	
Total Phosphorus	4500PE	03/25/16:204162SJN	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	0.5000 0.5000 0.5000	0.046 107 % 0.017 110 %	0.1 90-110 0.1 90-110		
Nitrogen, Total Kjeldahl	EPA351.2	03/22/16:203952AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	5.000 5.000 5.000	-0.178 106 % -0.023 109 %	0.5 90-110 0.5 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 analyte. 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.								

April 8, 2016
Rincon Consultants, Inc.

Lab ID : SP 1603053
Customer : 2-25173

Quality Control - Inorganic

Definition	
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.

March 30, 2016

Rincon Consultants, Inc.

Attn: Torin Snyder

180 N. Ashwood Ave.

Ventura, CA 93003

SP 1603093:1-10 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 1603093-001	N-001	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 13:05	03/18/2016 15:42 LM	03/20/2016 LM
2	SP 1603093-002	N-002	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 13:15	03/18/2016 15:43 LM	03/20/2016 LM
3	SP 1603093-003	N-003	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 11:25	03/18/2016 15:44 LM	03/22/2016 LM
4	SP 1603093-004	N-004	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 12:00	03/18/2016 15:45 LM	03/21/2016 LM
5	SP 1603093-005	L-001	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 09:00	03/18/2016 15:46 LM	03/21/2016 LM
6	SP 1603093-006	L-002	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 10:00	03/18/2016 15:47 LM	03/22/2016 LM
7	SP 1603093-007	L-003	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 09:40	03/18/2016 15:48 LM	03/20/2016 LM
8	SP 1603093-008	L-004	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 10:20	03/18/2016 15:49 LM	03/20/2016 LM
9	SP 1603093-009	L-005	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 11:15	03/18/2016 15:50 LM	03/21/2016 LM
10	SP 1603093-010	L-006	Source-Other	Peter Shellenbarger	Not Available	03/18/2016 10:50	03/18/2016 15:51 LM	03/20/2016 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	N-001	---	---	SM 9221B	MPN/100ml	< 1.8	< 1.8	---	N/R			
2	N-002	---	---	SM 9221B	MPN/100ml	< 1.8	< 1.8	---	N/R			
3	N-003	---	---	SM 9221B	MPN/100ml	13	< 1.8	---	N/R			
4	N-004	---	---	SM 9221B	MPN/100ml	2	< 1.8	---	N/R			
5	L-001	---	---	SM 9221B	MPN/100ml	350	23	---	N/R			
6	L-002	---	---	SM 9221B	MPN/100ml	280	49	---	N/R			
7	L-003	---	---	SM 9221B	MPN/100ml	240	23	---	N/R			
8	L-004	---	---	SM 9221B	MPN/100ml	350	170	---	N/R			
9	L-005	---	---	SM 9221B	MPN/100ml	540	350	---	N/R			
10	L-006	---	---	SM 9221B	MPN/100ml	920	130	---	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
Title: Tech Director Microbiology
 Date: 2016-03-30



Corporate Offices & Laboratory

853 Corporation Street
 Santa Paula, CA 93060

TEL: (805)392-2060
 Env FAX: (805)392-2061 Ag FAX: (805)392-2063
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2500 Stagecoach Road
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Office & Laboratory

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 Visalia, CA 93291

TEL: (559)734-9473
 FAX: (559)734-8435
 CA ELAP Certification No. 2810

March 28, 2016

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

Lab ID : SP 1603093
 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	03/18/2016	03/18/2016	SP 1603093-001	SW
N-002	03/18/2016	03/18/2016	SP 1603093-002	SW
N-003	03/18/2016	03/18/2016	SP 1603093-003	SW
N-004	03/18/2016	03/18/2016	SP 1603093-004	SW
L-001	03/18/2016	03/18/2016	SP 1603093-005	SW
L-002	03/18/2016	03/18/2016	SP 1603093-006	SW
L-003	03/18/2016	03/18/2016	SP 1603093-007	SW
L-004	03/18/2016	03/18/2016	SP 1603093-008	SW
L-005	03/18/2016	03/18/2016	SP 1603093-009	SW
L-006	03/18/2016	03/18/2016	SP 1603093-010	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 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

351.2	03/21/2016:203180 All preparation quality controls are within established criteria
	03/22/2016:203239 All preparation quality controls are within established criteria
4500NH3G	03/23/2016:204044 All analysis quality controls are within established criteria
	03/23/2016:203299 All preparation quality controls are within established criteria

March 28, 2016
Rincon Consultants, Inc.

Lab ID : SP 1603093
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO2B	03/18/2016:203845 All analysis quality controls are within established criteria
	03/18/2016:203159 All preparation quality controls are within established criteria
4500NO3F	03/22/2016:204028 All analysis quality controls are within established criteria
	03/22/2016:203247 All preparation quality controls are within established criteria
4500-P B	03/23/2016:203230 All preparation quality controls are within established criteria
4500PE	03/24/2016:204093 All analysis quality controls are within established criteria
EPA351.2	03/22/2016:203957 All analysis quality controls are within established criteria
	03/24/2016:204108 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: 2016-03-29

March 28, 2016

Lab ID : SP 1603093-001

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-13:05

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : N-001

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-13:56NMRP
Nitrite Nitrogen	0.00832	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-16:57SJN
Nitrogen, Organic	0.937	0.5	0.072	mg/L	1	Jb	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-06:41AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-06:41AMB
Kjeldahl Nitrogen	0.937	0.5	0.32	mg/L	1	Jb	351.2	203180	03/21/16 07:29	EPA351.2	203957-FI206	03/22/16-08:24AMB
Phosphorus, Total	0.400	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-18:52SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-002

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-13:15

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : N-002

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-13:58NMRP
Nitrite Nitrogen	0.00712	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-16:58SJN
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:43AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:43AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	203180	03/21/16 07:29	EPA351.2	203957-FI206	03/22/16-08:25AMB
Phosphorus, Total	1.42	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-18:55SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-003

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-11:25

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : N-003

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1	J	4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-14:00NMRP
Nitrite Nitrogen	0.00470	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-16:59SJN
Nitrogen, Organic	0.865	0.5	0.072	mg/L	1	Jb	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:08AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:08AMB
Kjeldahl Nitrogen	0.865	0.5	0.32	mg/L	1	Jb	351.2	203180	03/21/16 07:29	EPA351.2	203957-FI206	03/22/16-08:26AMB
Phosphorus, Total	0.0386	0.1	0.031	mg/L	1	J	4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-18:56SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-004

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-12:00

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : N-004

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-14:03NMRP
Nitrite Nitrogen	0.00470	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-17:00SJN
Nitrogen, Organic	0.234	0.5	0.072	mg/L	1	UJb	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:17AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:17AMB
Kjeldahl Nitrogen	0.234	0.5	0.19	mg/L	1	Jb	351.2	203239	03/22/16 07:34	EPA351.2	204108-FI206	03/24/16-04:22AMB
Phosphorus, Total	0.648	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-18:57SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-005

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-09:00

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : L-001

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.300	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-14:05NMRP
Nitrite Nitrogen	0.0156	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-17:01SJN
Nitrogen, Organic	1.99	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:05AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:05AMB
Kjeldahl Nitrogen	1.99	0.5	0.19	mg/L	1	b	351.2	203239	03/22/16 07:34	EPA351.2	204108-FI206	03/24/16-04:25AMB
Phosphorus, Total	0.635	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-18:58SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-006

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-10:00

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : L-002

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.600	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-14:07NMRP
Nitrite Nitrogen	0.0132	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-17:02SJN
Nitrogen, Organic	0.852	0.5	0.072	mg/L	1	Jb	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:01AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:01AMB
Kjeldahl Nitrogen	0.852	0.5	0.32	mg/L	1	Jb	351.2	203180	03/21/16 07:29	EPA351.2	203957-FI206	03/22/16-08:29AMB
Phosphorus, Total	0.379	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-18:59SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-007

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-09:40

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : L-003

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.600	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-14:09NMRP
Nitrite Nitrogen	0.0180	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-17:05SJN
Nitrogen, Organic	1.03	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-06:39AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-06:39AMB
Kjeldahl Nitrogen	1.03	0.5	0.19	mg/L	1	b	351.2	203239	03/22/16 07:34	EPA351.2	204108-FI206	03/24/16-04:26AMB
Phosphorus, Total	0.397	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-19:00SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-008

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-10:20

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : L-004

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.500	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-14:11NMRP
Nitrite Nitrogen	0.0192	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-17:06SJN
Nitrogen, Organic	0.798	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-07:37AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-07:37AMB
Kjeldahl Nitrogen	0.798	0.5	0.19	mg/L	1	b	351.2	203239	03/22/16 07:34	EPA351.2	204108-FI206	03/24/16-04:27AMB
Phosphorus, Total	0.350	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-19:01SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-009

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-11:15

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : L-005

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	1.60	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-18:06NMRP
Nitrite Nitrogen	0.0301	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-17:07SJN
Nitrogen, Organic	1.37	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:33AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:33AMB
Kjeldahl Nitrogen	1.37	0.5	0.32	mg/L	1	b	351.2	203180	03/21/16 07:29	EPA351.2	203957-FI206	03/22/16-08:30AMB
Phosphorus, Total	0.661	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-19:02SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016

Lab ID : SP 1603093-010

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : March 18, 2016-10:50

Sampled By : Peter Shellenbarger

Received On : March 18, 2016-15:00

Matrix : Surface Water

Description : L-006

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.400	0.1	0.032	mg/L	1		4500NO3F	203247	03/22/16 10:30	4500NO3F	204028-FI207	03/22/16-18:07NMRP
Nitrite Nitrogen	0.0264	0.1	0.0016	mg/L	1	J	4500NO2B	203159	03/18/16 16:07	4500NO2B	203845-UV207	03/18/16-17:08SJN
Nitrogen, Organic	1.46	0.5	0.072	mg/L	1	b	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:36AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203299	03/23/16 03:00	4500NH3G	204044-FI207	03/23/16-08:36AMB
Kjeldahl Nitrogen	1.46	0.5	0.32	mg/L	1	b	351.2	203180	03/21/16 07:29	EPA351.2	203957-FI206	03/22/16-08:31AMB
Phosphorus, Total	0.366	0.1	0.031	mg/L	1		4500-P B	203230	03/23/16 15:49	4500PE	204093-UV205	03/24/16-19:03SJN
DQF Flags Definition:												
b The Blank was positive for constituent but less than the PQL												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

March 28, 2016
Rincon Consultants, Inc.

Lab ID : SP 1603093
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Nitrogen, Total Kjeldahl	351.2	03/21/16:203180jmg (CC 1680748-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	92.0 %	73-124	
			MS	mg/L	12.00	80.0 %	54-136	
			MSD	mg/L	12.00	75.8 %	54-136	
			MSRPD	mg/L	12.00	4.4%	≤27	
	351.2	03/22/16:203239JMG (VI 1640718-003)	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	90.7 %	73-124	
			MS	mg/L	12.00	84.1 %	54-136	
			MSD	mg/L	12.00	81.0 %	54-136	
			MSRPD	mg/L	12.00	3.7%	≤27	
Ammonia Nitrogen	4500NH3G	(STK1632916-003)	MS	mg/L	2.000	102 %	70-130	
			MSD	mg/L	2.000	103 %	70-130	
			MSRPD	mg/L	2.000	0.2%	≤20	
			MS	mg/L	2.000	106 %	70-130	
		(SP 1603136-005)	MSD	mg/L	2.000	101 %	70-130	
			MSRPD	mg/L	2.000	4.2%	≤20	
		(SP 1603093-004)	MS	mg/L	2.000	102 %	70-130	
			MSD	mg/L	2.000	103 %	70-130	
	4500NH3G	03/23/16:204044AMB	MSRPD	mg/L	2.000	0.6%	≤20	
			CCB	mg/L		-0.042	0.2	
			CCV	mg/L	2.000	108 %	90-110	
			CCB	mg/L		-0.121	0.2	
			CCV	mg/L	2.000	102 %	90-110	
			CCB	mg/L		-0.113	0.2	
			CCV	mg/L	2.000	103 %	90-110	
			CCB	mg/L		-0.124	0.2	
			CCV	mg/L	2.000	103 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	103 %	90-110	
			CCB	mg/L		-0.070	0.2	
			CCV	mg/L	2.000	100 %	90-110	
Nitrite as Nitrogen	4500NO2B	(SP 1603043-002)	MS	mg/L	0.2284	89.4 %	1-173	
			MSD	mg/L	0.2284	89.9 %	1-173	
			MSRPD	mg/L	0.2284	0.0012	≤0.1	
	4500NO2B	03/18/16:203845SJN	CCV	mg/L	0.1522	91.9 %	90-110	
			CCB	mg/L		0.003	0.1	
			CCV	mg/L	0.1522	94.3 %	90-110	
			CCB	mg/L		0.006	0.1	
			CCV	mg/L	0.1522	94.3 %	90-110	
			CCB	mg/L		0.005	0.1	
Nitrate + Nitrite as N	4500NO3F	(SP 1603093-001)	MS	mg/L	11.27	74.2 %	5-285	
			MSD	mg/L	11.27	84.1 %	5-285	
			MSRPD	mg/L	11.27	12.4%	≤30.4	
	4500NO3F	03/22/16:204028NMRP	CCB	mg/L		0.093	0.1	
			CCV	mg/L	11.27	92.3 %	90-110	
			CCB	mg/L		0.058	0.1	
			CCV	mg/L	11.27	92.9 %	90-110	
			CCB	mg/L		0.086	0.1	
			CCV	mg/L	11.27	94.2 %	90-110	
			CCB	mg/L		0.392	0.1	
			CCV	mg/L	11.27	95.3 %	90-110	
			CCB	mg/L				
Phosphorus	4500-P B	03/23/16:203230sjn (SP 1603093-001)	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	109 %	90-116	
			MS	mg/L	0.2500	34.8 %	25-292	
			MSD	mg/L	0.2500	33.8 %	25-292	

March 28, 2016
Rincon Consultants, Inc.

Lab ID : SP 1603093
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Phosphorus	4500-P B	03/23/16:203230sjn	MSRPD	mg/L	0.2500	0.0026	≤0.1	
Total Phosphorus	4500PE	03/24/16:204093SJN	CCB	mg/L	0.5000	0.060	0.1	
			CCV	mg/L		104 %	90-110	
			CCB	mg/L		0.052	0.1	
			CCV	mg/L	0.5000	109 %	90-110	
			CCB	mg/L		0.015	0.1	
			CCV	mg/L	0.5000	109 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	03/22/16:203957AMB	CCB	mg/L		0.426	0.5	
			CCV	mg/L	5.000	92.5 %	90-110	
			CCB	mg/L		0.385	0.5	
			CCV	mg/L	5.000	93.5 %	90-110	
			CCB	mg/L		0.488	0.5	
			CCV	mg/L	5.000	93.4 %	90-110	
	EPA351.2	03/24/16:204108AMB	ICB	mg/L		0.080	0.5	
			ICV	mg/L	5.000	92.4 %	90-110	
			CCB	mg/L		0.033	0.5	
			CCV	mg/L	5.000	92.1 %	90-110	
			CCB	mg/L		0.055	0.5	
			CCV	mg/L	5.000	90.5 %	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 analyte. 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.								

June 24, 2016

Rincon Consultants, Inc.

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

SP 1606932:1-10 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 1606932-001	N-001	Source-Other	Peter S.	Not Available	06/16/2016 13:00	06/16/2016 16:59 LM	06/20/2016 LM
2	SP 1606932-002	N-002	Source-Other	Peter S.	Not Available	06/16/2016 13:20	06/16/2016 17:01 LM	06/20/2016 LM
3	SP 1606932-003	N-003	Source-Other	Peter S.	Not Available	06/16/2016 11:40	06/16/2016 17:03 LM	06/20/2016 LM
4	SP 1606932-004	N-004	Source-Other	Peter S.	Not Available	06/16/2016 13:45	06/16/2016 17:05 LM	06/20/2016 LM
5	SP 1606932-005	L-001	Source-Other	Peter S.	Not Available	06/16/2016 11:00	06/16/2016 17:07 LM	06/19/2016 LM
6	SP 1606932-006	L-002	Source-Other	Peter S.	Not Available	06/16/2016 14:40	06/16/2016 17:09 LM	06/20/2016 LM
7	SP 1606932-007	L-003	Source-Other	Peter S.	Not Available	06/16/2016 11:20	06/16/2016 17:11 LM	06/19/2016 LM
8	SP 1606932-008	L-004	Source-Other	Peter S.	Not Available	06/16/2016 12:20	06/16/2016 17:13 LM	06/19/2016 LM
9	SP 1606932-009	L-005	Source-Other	Peter S.	Not Available	06/16/2016 11:50	06/16/2016 17:15 LM	06/20/2016 LM
10	SP 1606932-010	L-006	Source-Other	Peter S.	Not Available	06/16/2016 12:40	06/16/2016 17:17 LM	06/19/2016 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	N-001	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
2	N-002	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
3	N-003	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
4	N-004	---	---	SM 9221B	MPN/100ml	6.8 PRESENT	<1.8 ABSENT	---	N/R			
5	L-001	---	---	SM 9221B	MPN/100ml	350 PRESENT	4.5 PRESENT	---	N/R			
6	L-002	---	---	SM 9221B	MPN/100ml	33 PRESENT	2 PRESENT	---	N/R			
7	L-003	---	---	SM 9221B	MPN/100ml	79 PRESENT	4 PRESENT	---	N/R			
8	L-004	---	---	SM 9221B	MPN/100ml	49 PRESENT	2 PRESENT	---	N/R			
9	L-005	---	---	SM 9221B	MPN/100ml	26 PRESENT	6.8 PRESENT	---	N/R			
10	L-006	---	---	SM 9221B	MPN/100ml	17 PRESENT	7.8 PRESENT	---	N/R			

N/R Not Required. MPN Most Probable Number A/P Absence/Presence

‡ Client Notification details.

June 24, 2016

SP 1606932:1-10 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

Rincon Consultants, Inc.

The sample(s) listed below failed drinking water standards for Total and/or Fecal Coliform as listed:

N-004 Total Coliform - Failure.

L-001 Total Coliform - Failure, Fecal Coliform - Failure.

L-002 Total Coliform - Failure, Fecal Coliform - Failure.

L-003 Total Coliform - Failure, Fecal Coliform - Failure.

L-004 Total Coliform - Failure, Fecal Coliform - Failure.

L-005 Total Coliform - Failure, Fecal Coliform - Failure.

L-006 Total Coliform - Failure, Fecal Coliform - Failure.

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

RRH:GMA

Reviewed and
Approved By

Raquel R. Harvey



Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2008-12-15

June 29, 2016

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

Lab ID : SP 1606932
 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	06/16/2016	06/16/2016	SP 1606932-001	SW
N-002	06/16/2016	06/16/2016	SP 1606932-002	SW
N-003	06/16/2016	06/16/2016	SP 1606932-003	SW
N-004	06/16/2016	06/16/2016	SP 1606932-004	SW
L-001	06/16/2016	06/16/2016	SP 1606932-005	SW
L-002	06/16/2016	06/16/2016	SP 1606932-006	SW
L-003	06/16/2016	06/16/2016	SP 1606932-007	SW
L-004	06/16/2016	06/16/2016	SP 1606932-008	SW
L-005	06/16/2016	06/16/2016	SP 1606932-009	SW
L-006	06/16/2016	06/16/2016	SP 1606932-010	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 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

351.2	06/22/2016:207297 All preparation quality controls are within established criteria
	06/23/2016:207355 All preparation quality controls are within established criteria
4500NH3G	06/21/2016:208835 All analysis quality controls are within established criteria
	06/21/2016:207239 All preparation quality controls are within established criteria

June 29, 2016
Rincon Consultants, Inc.

Lab ID : SP 1606932
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO2F	06/18/2016:207167 All preparation quality controls are within established criteria
4500NO3F	06/18/2016:208771 All analysis quality controls are within established criteria
	06/18/2016:208772 All analysis quality controls are within established criteria
	06/18/2016:207166 All preparation quality controls are within established criteria
4500-P B	06/17/2016:207159 All preparation quality controls are within established criteria
4500PE	06/17/2016:208650 All analysis quality controls are within established criteria
EPA351.2	06/23/2016:208970 All analysis quality controls are within established criteria
	06/24/2016:208975 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: 2016-06-29

June 29, 2016

Lab ID : SP 1606932-001

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-13:00

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : N-001

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry P:1												
Nitrate Nitrogen	0.0400	0.1	0.032	mg/L	1	J	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:47AMB
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:45AMB
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:32AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:32AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	207297	06/22/16 07:26	EPA351.2	208970-FI206	06/23/16-07:00AMB
Phosphorus, Total	0.658	0.1	0.031	mg/L	1		4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:45SJM
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

Lab ID : SP 1606932-002

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-13:20

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : N-002

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:23AMB
Nitrite Nitrogen	0.0130	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:21AMB
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:34AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:34AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	207355	06/23/16 07:26	EPA351.2	208975-FI206	06/24/16-06:22AMB
Phosphorus, Total	1.03	0.1	0.031	mg/L	1		4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:46SJM
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

Lab ID : SP 1606932-003

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-11:40

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : N-003

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0400	0.1	0.032	mg/L	1	J	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:45AMB
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:44AMB
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:37AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:37AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	207355	06/23/16 07:26	EPA351.2	208975-FI206	06/24/16-06:23AMB
Phosphorus, Total	0.0696	0.1	0.031	mg/L	1	J	4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:47SJM
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

Lab ID : SP 1606932-004

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-13:45

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : N-004

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0400	0.1	0.032	mg/L	1	J	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:51AMB
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:49AMB
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:39AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:39AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	207355	06/23/16 07:26	EPA351.2	208975-FI206	06/24/16-06:24AMB
Phosphorus, Total	1.25	0.1	0.031	mg/L	1		4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:48SJM
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

Lab ID : SP 1606932-005

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-11:00

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : L-001

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	J	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:32AMB
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:30AMB
Nitrogen, Organic	0.696	0.5	0.072	mg/L	1	J	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:41AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:41AMB
Kjeldahl Nitrogen	0.696	0.5	0.32	mg/L	1	J	351.2	207297	06/22/16 07:26	EPA351.2	208970-FI206	06/23/16-07:01AMB
Phosphorus, Total	0.178	0.1	0.031	mg/L	1		4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:49SJN
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

Lab ID : SP 1606932-006

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-14:40

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : L-002

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0400	0.1	0.032	mg/L	1	J	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:30AMB
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:28AMB
Nitrogen, Organic	0.964	0.5	0.072	mg/L	1	J	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:43AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:43AMB
Kjeldahl Nitrogen	0.964	0.5	0.32	mg/L	1	J	351.2	207355	06/23/16 07:26	EPA351.2	208975-FI206	06/24/16-06:25AMB
Phosphorus, Total	0.0946	0.1	0.031	mg/L	1	J	4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:50SJM
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

Lab ID : SP 1606932-007

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-11:20

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : L-003

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0500	0.1	0.032	mg/L	1	J	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:58AMB
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:56AMB
Nitrogen, Organic	0.409	0.5	0.072	mg/L	1	UJ	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:51AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:51AMB
Kjeldahl Nitrogen	0.409	0.5	0.32	mg/L	1	J	351.2	207297	06/22/16 07:26	EPA351.2	208970-FI206	06/23/16-07:05AMB
Phosphorus, Total	0.139	0.1	0.031	mg/L	1		4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:51SJN
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

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 1606932-008

Customer ID : 2-25173

Sampled On : June 16, 2016-12:20

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0500	0.1	0.032	mg/L	1	J	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:28AMB
Nitrite Nitrogen	0.0150	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:26AMB
Nitrogen, Organic	0.667	0.5	0.072	mg/L	1	J	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:53AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-12:53AMB
Kjeldahl Nitrogen	0.667	0.5	0.32	mg/L	1	J	351.2	207297	06/22/16 07:26	EPA351.2	208970-FI206	06/23/16-07:06AMB
Phosphorus, Total	0.114	0.1	0.031	mg/L	1		4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:52SJN
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

Lab ID : SP 1606932-009

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-11:50

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : L-005

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0400	0.1	0.032	mg/L	1	J	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-07:49AMB
Nitrite Nitrogen	0.0150	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-07:47AMB
Nitrogen, Organic	1.16	0.5	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-13:05AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1		4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-13:05AMB
Kjeldahl Nitrogen	1.16	0.5	0.32	mg/L	1		351.2	207355	06/23/16 07:26	EPA351.2	208975-FI206	06/24/16-06:26AMB
Phosphorus, Total	0.133	0.1	0.031	mg/L	1		4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:53SJN
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016

Lab ID : SP 1606932-010

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : June 16, 2016-12:40

Sampled By : Peter S.

Received On : June 16, 2016-16:40

Matrix : Surface Water

Description : L-006

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207166	06/18/16 05:00	4500NO3F	208772-FI207	06/18/16-06:47AMB
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	207167	06/18/16 05:00	4500NO3F	208771-FI207	06/18/16-06:45AMB
Nitrogen, Organic	1.18	0.5	0.072	mg/L	1	U	4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-13:07AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1		4500NH3G	207239	06/21/16 08:00	4500NH3G	208835-FI207	06/21/16-13:07AMB
Kjeldahl Nitrogen	1.18	0.5	0.32	mg/L	1		351.2	207297	06/22/16 07:26	EPA351.2	208970-FI206	06/23/16-07:07AMB
Phosphorus, Total	0.172	0.1	0.031	mg/L	1		4500-P B	207159	06/17/16 14:01	4500PE	208650-UV205	06/17/16-16:54SJN
DQF Flags Definition:												
U Constituent results were non-detect.												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

June 29, 2016
Rincon Consultants, Inc.

Lab ID : SP 1606932
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Nitrogen, Total Kjeldahl	351.2	06/22/16:207297jmg (STK1637341-006)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	86.4 %	73-124	
			MS	mg/L	12.00	84.1 %	54-136	
			MSD	mg/L	12.00	87.0 %	54-136	
			MSRPD	mg/L	12.00	3.4%	≤27	
	351.2	06/23/16:207355jmg (SP 1606932-003)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	88.3 %	73-124	
			MS	mg/L	12.00	70.8 %	54-136	
			MSD	mg/L	12.00	70.7 %	54-136	
			MSRPD	mg/L	12.00	0.06%	≤27	
Ammonia Nitrogen	4500NH3G	(SP 1606886-011) (SP 1606932-007)	MS	mg/L	2.000	113 %	70-130	
			MSD	mg/L	2.000	112 %	70-130	
			MSRPD	mg/L	2.000	1.3%	≤20	
			MS	mg/L	2.000	111 %	70-130	
			MSD	mg/L	2.000	111 %	70-130	
	4500NH3G	06/21/16:208835AMB	MSRPD	mg/L	2.000	0.09%	≤20	
			CCB	mg/L		-0.058	0.2	
			CCV	mg/L	2.000	104 %	90-110	
			CCB	mg/L		-0.061	0.2	
			CCV	mg/L	2.000	107 %	90-110	
Nitrite as Nitrogen	4500NO2F	(CH 1674436-001) (CH 1674447-001)	MS	mg/L	1.270	94.4 %	50-150	
			MSD	mg/L	1.270	93.9 %	50-150	
			MSRPD	mg/L	1.270	0.5%	≤30	
			MS	mg/L	1.270	101 %	50-150	
			MSD	mg/L	1.270	99.2 %	50-150	
	4500NO3F	(CH 1674436-001) (CH 1674447-001)	MSRPD	mg/L	1.270	1.4%	≤30	
			MS	mg/L	10.00	108 %	5-285	
			MSD	mg/L	10.00	108 %	5-285	
			MSRPD	mg/L	10.00	0.1%	≤30.4	
			MS	mg/L	10.00	112 %	5-285	
Nitrate + Nitrite as N	4500NO3F	(CH 1674436-001) (CH 1674447-001)	MSD	mg/L	10.00	113 %	5-285	
			MSRPD	mg/L	10.00	0.9%	≤30.4	
	4500NO3F	06/18/16:208772AMB	CCB	mg/L		0.034	0.1	
			CCV	mg/L	11.27	97.8 %	90-110	
			CCB	mg/L		0.054	0.1	
Nitrite as Nitrogen	4500NO3F	06/18/16:208771AMB	CCB	mg/L		0.059	0.1	
			CCV	mg/L	11.27	98.7 %	90-110	
			CCB	mg/L		0.043	0.1	
			CCB	mg/L		0.039	0.1	
			CCV	mg/L	11.27	100 %	90-110	
Phosphorus	4500-P B	06/17/16:207159sjn	CCB	mg/L		0.069	0.1	
			CCV	mg/L	11.27	100 %	90-110	
			CCB	mg/L		0.013	0.2	
			CCV	mg/L	1.270	95.7 %	90-110	
			CCB	mg/L		0.013	0.2	
	4500-P B	06/17/16:207159sjn	CCB	mg/L		0.013	0.2	
			CCV	mg/L	1.270	96.5 %	90-110	
			CCB	mg/L		0.013	0.2	
			CCV	mg/L	1.270	98.0 %	90-110	
			CCB	mg/L		0.014	0.2	
Phosphorus	4500-P B	06/17/16:207159sjn	CCV	mg/L	1.270	97.2 %	90-110	
			Blank	mg/L		ND	<0.1	
	4500-P B	06/17/16:207159sjn						

June 29, 2016
Rincon Consultants, Inc.

Lab ID : SP 1606932
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Phosphorus	4500-P B	06/17/16:207159sjn (CC 1682098-001)	LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L	0.5000 0.2500 0.2500 0.2500	103 % -561 % -583 % 1.0%	90-116 <¼ <¼ ≤13.2	
Total Phosphorus	4500PE	06/17/16:208650SJN	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	 0.5000 0.5000	0.006 99.4 % -0.016 96.1 %	0.1 90-110 0.1 90-110	
Nitrogen, Total Kjeldahl	EPA351.2	06/23/16:208970AMB	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	 5.000 5.000 5.000	-0.230 98.7 % -0.122 98.5 % -0.047 98.7 %	0.5 90-110 0.5 90-110 0.5 90-110	
	EPA351.2	06/24/16:208975AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	 5.000 5.000	-0.004 106 % 0.000 101 %	0.5 90-110 0.5 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 analyte. 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. <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.								



4053:06/06/2016				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				Method of Sampling: Composite(C) Grab(G) Type of Sample: **SEE REVERSE SIDE** Potable(P) Non-Potable(NP) Ag Water(AgW) Bacit Type: Other(O) System(SYS) Source(SR) Waste(W) Bacit Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(Ø) Special(SPL)																
Sampler(s) Peter S. Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: 6/16/16 Time: 1:30				Lab Number: SP 2-25173																
Samp Num	Location Description	Date Sampled	Time Sampled																	
1	N-001	6-16-16	1300	G	SW															
2	N-002		1320	G	SW															
3	N-003		1140	G	SW															
4	N-004		1345	G	SW															
5	L-001		1100	G	SW															
6	L-002		1440	G	SW															
7	L-003		1120	G	SW															
8	L-004		1220	G	SW															
9	L-005		1150	G	SW															
10	L-006		1240	G	SW															
Remarks: Relinquished Date: 6-16-16 Time: 1140 Received By: [Signature] Date: 6/16/16 Time: 1140				Relinquished 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

October 3, 2016

Rincon Consultants, Inc.

Attn: Torin Snyder

180 N. Ashwood Ave.

Ventura, CA 93003

SP 1611128:11-12 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 1611128-011	MCWP-MW10	Source-Other	Rincon Field	Rincon Field	09/20/2016 15:45	09/20/2016 17:19 LMM	09/22/2016 LMM
2	SP 1611128-012	CCPE	Source-Other	Rincon Field	Rincon Field	09/20/2016 15:00	09/20/2016 17:22 LMM	09/22/2016 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-MW10	---	---	SM 9221B	MPN/100ml	< 1.8 ABSENT	< 1.8 ABSENT	---	N/R			
2	CCPE	---	---	SM 9221B	MPN/100ml	540 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: 2016-10-03

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 93201
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 5, 2016

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

Lab ID : SP 1611128
 Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 6 pages divided into 3 sections:

Case Narrative	(2 pages) : An overview of the work performed at FGL.
Sample Results	(2 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
MCWP-MW10	09/20/2016	09/20/2016	SP 1611128-011	MW
CCPE	09/20/2016	09/20/2016	SP 1611128-012	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	09/22/2016:211444 All preparation quality controls are within established criteria
351.2	09/21/2016:211378 All preparation quality controls are within established criteria
4500NH3G	09/21/2016:213724 All analysis quality controls are within established criteria
	09/21/2016:211375 All preparation quality controls are within established criteria
4500NO2F	09/21/2016:211402 All preparation quality controls are within established criteria
4500NO3F	09/21/2016:213763 All analysis quality controls are within established criteria
	09/21/2016:213764 All analysis quality controls are within established criteria
	09/21/2016:211400 All preparation quality controls are within established criteria

October 5, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611128
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500-P B	09/29/2016:211772 All preparation quality controls are within established criteria
4500PE	09/30/2016:214191 All analysis quality controls are within established criteria
EPA351.2	09/23/2016:213843 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: 2016-10-06

October 5, 2016

Lab ID : SP 1611128-011

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-15:45

Sampled By : Rincon Field

Received On : September 20, 2016-17:00

Matrix : Monitoring Well

Description : MCWP-MW10

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
Wet Chemistry ^{P-1}												
Nitrate Nitrogen	0.700	0.1	0.032	mg/L	1		4500NO3F	211400	09/21/16 11:45	4500NO3F	213764-FI207	09/21/16-12:35JDD
Nitrite Nitrogen	0.0210	0.1	0.011	mg/L	1	J	4500NO2F	211402	09/21/16 11:45	4500NO3F	213763-FI207	09/21/16-12:33JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211375	09/21/16 04:45	4500NH3G	213724-FI207	09/21/16-06:23AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211375	09/21/16 04:45	4500NH3G	213724-FI207	09/21/16-06:23AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	211378	09/21/16 08:17	EPA351.2	213843-FI206	09/23/16-08:17AMB
Phosphorus, Total	ND	0.1	0.031	mg/L	1	U	4500-P B	211772	09/29/16 14:26	4500PE	214191-UV205	09/30/16-12:41SJN
Total Dissolved Solids (TFR)	1730	20	5.8	mg/L	1	b	2540CE	211444	09/22/16 10:48	2540C	213845-WT219	09/23/16-10:26CTL
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 5, 2016

Rincon Consultants, Inc.

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

Description : CCPE
 Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1611128-012

Customer ID : 2-25173

Sampled On : September 20, 2016-15:00

Sampled By : Rincon Field

Received On : September 20, 2016-17:00

Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.900	0.1	0.032	mg/L	1		4500NO3F	211400	09/21/16 11:45	4500NO3F	213764-FI207	09/21/16-12:37JDD
Nitrite Nitrogen	0.0160	0.1	0.011	mg/L	1	J	4500NO2F	211402	09/21/16 11:45	4500NO3F	213763-FI207	09/21/16-12:35JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211375	09/21/16 04:45	4500NH3G	213724-FI207	09/21/16-05:57AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211375	09/21/16 04:45	4500NH3G	213724-FI207	09/21/16-05:57AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	211378	09/21/16 08:17	EPA351.2	213843-FI206	09/23/16-08:18AMB
Phosphorus, Total	0.0724	0.1	0.031	mg/L	1	J	4500-P B	211772	09/29/16 14:26	4500PE	214191-UV205	09/30/16-12:42SJN
Total Dissolved Solids (TFR)	2880	34	5.8	mg/L	1.7	b	2540CE	211444	09/22/16 10:48	2540C	213845-WT219	09/23/16-10:11CTL
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD failure.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 5, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611128
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Dissolved Solids (TFR)	2540CE	09/22/16:211444CTL (SP 1611128-011)	Blank LCS Dup	mg/L mg/L mg/L	996.9	ND 96.7 % 0.0%	<20 90-110 5	
Nitrogen, Total Kjeldahl	351.2	09/21/16:211378jmg (SP 1610416-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00	ND 84.1 % 79.7 % 75.1 % 6.2%	<0.5 73-124 54-136 54-136 ≤27	
Ammonia Nitrogen	4500NH3G	(CC 1683262-001)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	119 % 113 % 4.8%	70-130 70-130 ≤20	
			ICB ICV CCB	mg/L mg/L mg/L	2.000 2.000 2.000	-0.085 106 % -0.106	0.2 90-110 0.2	
			CCV CCB CCV	mg/L mg/L mg/L	2.000 2.000 2.000	106 % -0.108 109 %	90-110 0.2 90-110	
	4500NO2F	(SP 1611158-002)	MS MSD MSRPD	mg/L mg/L mg/L	1.270 1.270 1.270	93.1 % 94.2 % 1.2%	50-150 50-150 ≤30	
			MS MSD MSRPD	mg/L mg/L mg/L	10.00 10.00 10.00	105 % 107 % 1.1%	5-285 5-285 ≤30.4	
			ICB ICV CCB CCV	mg/L mg/L mg/L mg/L	11.27 11.27 11.27 11.27	0.060 94.8 % 0.068 93.8 %	0.1 90-110 0.1 90-110	
Nitrite as Nitrogen	4500NO3F	09/21/16:213764JDD	ICB ICV CCB CCV	mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270	0.00300 93.5 % 0.00200 93.5 %	0.012 90-110 0.012 90-110	
Phosphorus	4500-P B	09/29/16:211772sjn (CC 1683197-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	0.5000 0.2500 0.2500 0.2500	ND 101 % -1090 % -1100 % 0.5%	<0.1 90-116 <¼ <¼ ≤13.2	
Total Phosphorus	4500PE	09/30/16:214191SJN	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	0.5000 0.5000 0.5000 0.5000	-0.005 99.4 % -0.014 95.0 %	0.1 90-110 0.1 90-110	
Nitrogen, Total Kjeldahl	EPA351.2	09/23/16:213843AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	5.000 5.000 5.000 5.000	-0.106 107 % -0.081 104 %	0.5 90-110 0.5 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 analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.								

October 5, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611128
Customer : 2-25173

Quality Control - Inorganic

Definition	
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.
<1/4	: 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.

October 3, 2016

Rincon Consultants, Inc.

Attn: Torin Snyder

180 N. Ashwood Ave.

Ventura, CA 93003

SP 1611120:1, 3, 9, 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 1611120-001	SMBRP-9	Source-Other	Rincon (Field)	Rincon Consultants	09/20/2016 08:30	09/20/2016 16:05 LMM	09/22/2016 LMM
2	SP 1611120-003	MCWP-MW07S	Source-Other	Rincon (Field)	Rincon Consultants	09/20/2016 11:10	09/20/2016 16:12 LMM	09/24/2016 LMM
3	SP 1611120-009	LAMW-5S	Source-Other	Rincon (Field)	Rincon Consultants	09/20/2016 10:00	09/20/2016 16:08 LMM	09/22/2016 LMM
4	SP 1611120-014	SMBRP-7B	Source-Other	Rincon (Field)	Rincon Consultants	09/20/2016 14:00	09/20/2016 16:15 LMM	09/22/2016 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	SMBRP-9	---	---	SM 9221B	MPN/100ml	33 PRESENT	<1.8 ABSENT	---	N/R			
2	MCWP-MW07S	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
3	LAMW-5S	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
4	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: 2016-10-03

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 93201
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 14, 2016

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

Lab ID : SP 1611120
 Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 106 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	(49 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	09/20/2016	09/20/2016	SP 1611120-000	LBW
SMBRP-9	09/20/2016	09/20/2016	SP 1611120-001	MW
MCWP-MW07S	09/20/2016	09/20/2016	SP 1611120-003	MW
LAMW-5S	09/20/2016	09/20/2016	SP 1611120-009	MW
SMBRP-7B	09/20/2016	09/20/2016	SP 1611120-014	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 1611120-001	Chlorine, Total	15	3453 Minutes
SP 1611120-001	pH	15	3141 Minutes
SP 1611120-003	Chlorine, Total	15	3292.8 Minutes
SP 1611120-003	pH	15	2980.8 Minutes
SP 1611120-009	Chlorine, Total	15	3363 Minutes
SP 1611120-009	pH	15	3051 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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Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	09/21/2016:213697 All analysis quality controls are within established criteria.
	09/27/2016:214062 All analysis quality controls are within established criteria.
	10/06/2016:214618 All analysis quality controls are within established criteria.
	09/27/2016:211611 All preparation quality controls are within established criteria.
	10/04/2016:211949 All preparation quality controls are within established criteria.
	09/21/2016:211390 All preparation quality controls are within established criteria.
200.8	10/04/2016:214508 All analysis quality controls are within established criteria.
	10/05/2016:214575 All analysis quality controls are within established criteria.
	10/14/2016:215037 All analysis quality controls are within established criteria.
245.1	09/26/2016:213926 All analysis quality controls are within established criteria.
	09/24/2016:211519 All preparation quality controls are within established criteria.
3010	10/04/2016:211956 All preparation quality controls are within established criteria, except: The following note applies to Barium: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Barium: 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.
	10/13/2016:212354 All preparation quality controls are within established criteria.

Organic QC

504	09/27/2016:211607 All preparation quality controls are within established criteria.
504.1	09/28/2016:214053 All analysis quality controls are within established criteria.
505	09/27/2016:213930 All analysis quality controls are within established criteria.
	09/26/2016:211552 All preparation quality controls are within established criteria, except:

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Organic QC

505	The following note applies to Tetrachloro-m-xylene: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
507	10/06/2016:214531 All analysis quality controls are within established criteria.
	09/28/2016:211665 All preparation quality controls are within established criteria, except: The following note applies to Metribuzin: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
515.3	09/30/2016:214256 All analysis quality controls are within established criteria.
	09/27/2016:211634 All preparation quality controls are within established criteria.
524.2	09/22/2016:214001 All analysis quality controls are within established criteria, except: The following note applies to Dibromochloromethane, Bromoform, Bromomethane (Methyl Bromide), Dichlorodifluoromethane, Trichlorofluoromethane F-11, Ch: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/23/2016:214001 All analysis quality controls are within established criteria, except: The following note applies to Dibromochloromethane, Bromoform, Bromomethane (Methyl Bromide), Dichlorodifluoromethane, Trichlorofluoromethane F-11, Ch: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/27/2016:214096 All analysis quality controls are within established criteria, except: The following note applies to Ethyl tert-Butyl Ether, Methyl tert-Butyl Ether, TAME, Vinyl Chloride: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/22/2016:211610 All preparation quality controls are within established criteria, except: The following note applies to TAME: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	The following note applies to Ethyl tert-Butyl Ether, TAME: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	09/27/2016:211698 All preparation quality controls are within established criteria, except: The following note applies to Freon-11, Vinyl Chloride: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
531.1	09/29/2016:214102 All analysis quality controls are within established criteria.
	09/28/2016:211702 All preparation quality controls are within established criteria, except:

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Organic QC

531.1	The following note applies to Aldicarb Sulfone/Sulfoxide, Oxamyl: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
5310C	09/27/2016:214089 All analysis quality controls are within established criteria.
	09/26/2016:211516 All preparation quality controls are within established criteria.
547	09/22/2016:213777 All analysis quality controls are within established criteria.
	09/21/2016:211419 All preparation quality controls are within established criteria.
548.1	09/30/2016:214269 All analysis quality controls are within established criteria.
	09/21/2016:211392 All preparation quality controls are within established criteria.
549	09/22/2016:211450 All preparation quality controls are within established criteria.
549.2	09/23/2016:213932 All analysis quality controls are within established criteria.
552	09/23/2016:211501 All preparation quality controls are within established criteria, except: The following note applies to 2,3-Dibromopropionic Acid, Dibromoacetic Acid, Monobromoacetic Acid, Dichloroacetic Acid, Monochloroacetic Acid: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Dibromoacetic Acid, Dichloroacetic Acid, Trichloroacetic Acid: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
552.2	09/28/2016:213970 All analysis quality controls are within established criteria.
608	09/29/2016:214106 All analysis quality controls are within established criteria.
	09/27/2016:211539 All preparation quality controls are within established criteria.
624	09/22/2016:213938 All analysis quality controls are within established criteria, except: The following note applies to 1,1-Dichloroethane, 1,4-Dichlorobenzene, Bromoform, Bromomethane (Methyl Bromide), Chloromethane(Methyl Chloride): 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/22/2016:211564 All preparation quality controls are within established criteria, except: The following note applies to 2-Chloroethylvinyl ether, Bromomethane (Methyl Bromide), Chloromethane(Methyl Chloride), Vinyl Chloride: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Fluorobenzene: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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625	09/27/2016:214043 All analysis quality controls are within established criteria, except: The following note applies to Dibenzo(a,h)anthracene, Pentachlorophenol, Indeno(1,2,3-c,d)pyrene: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/21/2016:211391 All preparation quality controls are within established criteria, except: The following note applies to bis(2-Chloroethyl)ether, Diethylphthalate, Dimethylphthalate: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to Benzidine, Hexachloroethane: 310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. The following note applies to Benzidine: 320 LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery.
625P	09/30/2016:214450 All analysis quality controls are within established criteria.
	09/27/2016:211614 All preparation quality controls are within established criteria, except: The following note applies to Aldrin: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to Aldrin, Endrin: 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	09/29/2016:214416 All analysis quality controls are within established criteria.
	09/28/2016:214419 All analysis quality controls are within established criteria.
	10/04/2016:214475 All analysis quality controls are within established criteria.
	09/27/2016:211468 All preparation quality controls are within established criteria, except: The following note applies to Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	09/28/2016:214169 All analysis quality controls are within established criteria.
	09/29/2016:214169 All analysis quality controls are within established criteria.
	09/26/2016:211579 All preparation quality controls are within established criteria.
905.0	09/29/2016:214239 All analysis quality controls are within established criteria.

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Radio QC

905.0	09/27/2016:211658 All preparation quality controls are within established criteria.
906.0	09/26/2016:214017 All analysis quality controls are within established criteria.
	09/26/2016:211527 All preparation quality controls are within established criteria.
908.0	09/28/2016:214183 All analysis quality controls are within established criteria.
	09/27/2016:211585 All preparation quality controls are within established criteria.
Ra - 05	10/03/2016:214395 All analysis quality controls are within established criteria.
	10/03/2016:214396 All analysis quality controls are within established criteria.
	09/27/2016:211580 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

1664	09/29/2016:211764 All preparation quality controls are within established criteria.
	10/04/2016:211831 All preparation quality controls are within established criteria.
2120B	09/21/2016:214081 All analysis quality controls are within established criteria.
	09/21/2016:211682 All preparation quality controls are within established criteria.
2130B	09/21/2016:213778 All analysis quality controls are within established criteria.
	09/21/2016:211422 All preparation quality controls are within established criteria.
2150B	09/21/2016:211832 All preparation quality controls are within established criteria.
218.6	09/23/2016:214002 All analysis quality controls are within established criteria.
	09/23/2016:211616 All preparation quality controls are within established criteria.
2320B	09/21/2016:213727 All analysis quality controls are within established criteria.
	09/21/2016:211377 All preparation quality controls are within established criteria.
2510B	09/21/2016:213733 All analysis quality controls are within established criteria.
	09/21/2016:211380 All preparation quality controls are within established criteria.

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Inorganic - Wet Chemistry QC

2540CE	09/21/2016:211395 All preparation quality controls are within established criteria.
	09/22/2016:211444 All preparation quality controls are within established criteria.
2540D	09/26/2016:211562 All preparation quality controls are within established criteria.
300.0	09/20/2016:213760 All analysis quality controls are within established criteria.
	09/20/2016:211412 All preparation quality controls are within established criteria.
314.0	09/23/2016:213927 All analysis quality controls are within established criteria.
	09/23/2016:211486 All preparation quality controls are within established criteria.
351.2	09/23/2016:211470 All preparation quality controls are within established criteria.
	09/21/2016:211378 All preparation quality controls are within established criteria.
	09/24/2016:211513 All preparation quality controls are within established criteria.
4500CIG	09/22/2016:213837 All analysis quality controls are within established criteria.
	09/22/2016:211467 All preparation quality controls are within established criteria.
4500CNCE	10/02/2016:214313 All analysis quality controls are within established criteria.
	10/01/2016:211863 All preparation quality controls are within established criteria.
4500-H B	09/22/2016:211447 All preparation quality controls are within established criteria.
4500HB	09/22/2016:213809 All analysis quality controls are within established criteria.
4500NH3G	09/27/2016:213992 All analysis quality controls are within established criteria.
	09/29/2016:214161 All analysis quality controls are within established criteria.
	09/30/2016:214218 All analysis quality controls are within established criteria.
	09/26/2016:211524 All preparation quality controls are within established criteria.
	09/29/2016:211726 All preparation quality controls are within established criteria.
	09/30/2016:211784 All preparation quality controls are within established criteria.

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Inorganic - Wet Chemistry QC

4500NO2F	09/21/2016:211402 All preparation quality controls are within established criteria.
4500NO3F	09/21/2016:213763 All analysis quality controls are within established criteria.
	09/21/2016:213764 All analysis quality controls are within established criteria.
	09/21/2016:211400 All preparation quality controls are within established criteria.
4500-P B	09/30/2016:211807 All preparation quality controls are within established criteria.
4500PE	09/30/2016:214242 All analysis quality controls are within established criteria.
5210B	09/26/2016:213941 All analysis quality controls are within established criteria.
	09/21/2016:211382 All preparation quality controls are within established criteria, except: The following note applies to BOD: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
5540C	09/21/2016:213798 All analysis quality controls are within established criteria.
	09/21/2016:211431 All preparation quality controls are within established criteria.
EPA351.2	09/26/2016:211902 All analysis quality controls are within established criteria.
	09/23/2016:213843 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: 2016-10-14

October 14, 2016

Lab ID : SP 1611120-000
Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-00:00
Sampled By : Rincon (Field)
Received On : September 20, 2016-15:36
Matrix : Lab. Blank Water

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 VOA:1												
1,3-Dibromopropane [‡]	105	70-130		%	0.98266		504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-05:17SBL
DBCP	ND	0.0098	0.0057	ug/L	0.98266	U	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-05:17SBL
EDB	ND	0.02	0.0027	ug/L	0.98266	Ub	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-05:17SBL
EPA 524.2 VOA:13												
4-Bromofluorobenzene [‡]	99.4	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
1,2-Dichlorobenzene-d4 [‡]	96.6	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-15:52VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Xylenes (Total)	ND	0.5	0.087	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
Total Trihalomethanes	ND	0.5	0.12	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-15:52VRG	
DQF Flags Definition:												
b The Blank was detected above method MDL for constituent but less than the PQL												
U Constituent results were non-detect.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ±Surrogate.

October 14, 2016

Lab ID : SP 1611120-001

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-08:30

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : SMBRP-9

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 P:1'S												
Total Hardness as CaCO3	774	2.5	0.13	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Calcium	52.9	1	0.13	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Magnesium	156	1	0.0081	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Potassium	4.53	1	0.037	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Sodium	409	2	0.17	mg/L	2		200.7	211949	10/04/16 06:00	200.7	214618-IT203	10/06/16-14:19AC
Total Cations	33.4	0.1	0.13	meq/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Boron	0.649	0.05	0.00089	mg/L	1	U	200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Copper	13.1	10	1.1	ug/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Iron	9150	50	2.3	ug/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Manganese	192	10	0.13	ug/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Zinc	29.2	20	3.2	ug/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
SAR	6.40	0.1	0.13	--	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:08AC
Total Alkalinity (as CaCO3)	917	10	1.1	mg/L	1		2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:50AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:50AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:50AMB
Bicarbonate as HCO3	1120	10	1.1	mg/L	1.000		2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:50AMB
Sulfate	342	10	0.037	mg/L	10	b	300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:21mca
Chloride	213	10	0.042	mg/L	10		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:21mca
Nitrate as NO3	84.5	0.4	0.033	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:06mca
Nitrite as N	ND	0.1	0.0061	mg/L	1	U	300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:06mca

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis			
							Method	ID	Time	Method	ID	Time	
General Mineral ^{P:15}													
Nitrate + Nitrite as N	19.1	0.1	0.033	mg/L	1	b	300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:06mca	
Fluoride	1.10	0.1	0.027	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:06mca	
Total Anions	32.9	0.1	1.1	meq/L	1.000		2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:50AMB	
pH	7.25	--	0.0	units	1		T	4500-H B	211447	09/22/16 12:51	4500HB	213809-PH203	09/22/16-13:05JMG
Specific Conductance	2960	1	0.0	umhos/cm	1		2510B	211380	09/21/16 09:42	2510B	213733-EC206	09/21/16-11:33JMG	
Total Dissolved Solids	1940	40	5.8	mg/L	1	b	2540CE	211395	09/21/16 13:45	2540C	213791-WT219	09/22/16-09:06JMG	
MBAS (foaming agents)	0.0335	0.1	0.0053	mg/L	1	J	5540C	211431	09/21/16 17:15	5540C	213798-UV207	09/21/16-19:35jba	
Aggressiveness Index	12.3	1	0.0	--	1	b	4500-H B	211447	09/22/16 12:51	4500HB	213809-PH203	09/22/16-13:05JMG	
Langelier Index (20°C)	0.4	1	0.0	--	1		4500-H B	211447	09/22/16 12:51	4500HB	213809-PH203	09/22/16-13:05JMG	
Nitrate Nitrogen	19.1	0.1	0.0082	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:06mca	
Metals, Total ^{P:15}													
Aluminum	5.91	0.25	0.000050	mg/L	25	J	3010	211956	10/04/16 03:30	200.8	214575-IX202	10/05/16-15:31AC	
Antimony	0.000523	0.001	0.000044	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Arsenic	0.00414	0.002	0.000047	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Barium	0.0753	0.0002	0.000026	mg/L	1		hP	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC
Beryllium	0.000200	0.0002	0.000043	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Cadmium	0.0000750	0.0002	0.000031	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Chromium	0.0352	0.001	0.000066	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Copper	0.0127	0.001	0.000071	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Lead	0.00350	0.0002	0.000013	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Mercury	0.0000280	0.00001	0.000021	mg/L	1		245.1	211519	09/24/16 14:54	245.1	213926-HG204	09/26/16-09:41AC	
Nickel	0.0219	0.001	0.000040	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Selenium	0.00506	0.002	0.00017	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Silver	ND	0.00025	0.000022	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Thallium	0.0000830	0.0002	0.000018	mg/L	1		J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC
Chromium III	0.0300	0.001	0.000066	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-13:57AC	
Wet Chemistry ^{AGT:1}													
BOD	7.4	13	0.19	mg/L	6.3267	J	5210B	211382	09/21/16 15:40	5210B	213941-O2205	09/26/16-13:42KMM	
Chlorine, Total	ND	0.1	0.069	mg/L	1	UT	4500CIG	211467	09/22/16 18:03	4500CIG	213837-UV207	09/22/16-18:36SJN	
Chromium VI	5.19	0.1	0.012	ug/L	1		218.6	211616	09/23/16 11:46	218.6	214002-IC209	09/23/16-18:19MCA	

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{AGT:1}												
Color	<5.00	5	0.0	units	1	U	2120B	211682	09/21/16 09:00	2120B	214081-JMG	09/21/16-09:25jmg
Cyanide, Total	ND	0.01	0.0023	mg/L	1	U	4500CNCE	211863	10/01/16 14:12	4500CNCE	214313-UV207	10/02/16-15:21AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-07:18AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-07:18AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	211378	09/21/16 08:17	EPA351.2	213843-FI206	09/23/16-08:15AMB
Nitrogen, Total as Nitrogen	19.1	0.5	0.19	mg/L	1	b	351.2	211378	09/21/16 08:17	EPA351.2	213843-FI206	09/23/16-08:15AMB
Nitrate + Nitrite as N	19.1	0.1	0.033	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:06mca
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	211378	09/21/16 08:17	EPA351.2	213843-FI206	09/23/16-08:15AMB
Odor	ND	1	0.0	TON	1	U	2150B	211832	09/21/16 08:10	2150B	214274-JMG	09/21/16-08:40jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.0989	U	1664	211764	09/29/16 13:43	1664	214253-WT215	09/30/16-13:39AMM
Phosphorus, Total	0.272	0.2	0.031	mg/L	2		4500-P B	211807	09/30/16 11:17	4500PE	214242-UV205	09/30/16-14:09SJN
Solids, Total Suspended (TSS)	83.8	3.3	0.49	mg/L	3.3333		2540D	211562	09/26/16 17:05	2540D	213987-WT215	09/27/16-09:09jba
Turbidity	13.2	0.2	0.048	NTU	1		2130B	211422	09/21/16 16:17	2130B	213778-TR203	09/21/16-16:29jba
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	211486	09/23/16 15:00	314.0	213927-IC207	09/23/16-22:13SBL

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.
- P Post Digestion Spike (PDS) not within Acceptance Range (AR).
- T Exceeded method-specific holding time.

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 14, 2016

Lab ID : SP 1611120-001

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-08:30

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : SMBRP-9

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 VOA:1												
1,3-Dibromopropane [‡]	106	70-130		%	0.99125		504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-05:53SBL	
DBCP	ND	0.0099	0.0057	ug/L	0.99125	U	504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-05:53SBL	
EDB	0.00816	0.02	0.0027	ug/L	0.99125	Jb	504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-05:53SBL	
EPA 505 VOA:1												
Tetrachloro-m-xylene [‡]	89.0	70-130		%	0.9901		505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Alachlor	ND	0.2	0.13	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Aldrin	ND	0.0099	0.0040	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Chlordane	ND	0.099	0.041	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Dieldrin	ND	0.0099	0.0024	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Endrin	ND	0.0099	0.0054	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Heptachlor	ND	0.0099	0.0026	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Heptachlor Epoxide	ND	0.0099	0.0046	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Hexachlorobenzene	ND	0.0099	0.0031	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Hexachlorocyclopentadiene	ND	0.099	0.027	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Methoxychlor	ND	0.099	0.0098	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
Toxaphene	ND	0.5	0.11	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
PCB 1016	ND	0.5	0.22	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
PCB 1221	ND	0.5	0.067	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	
PCB 1232	ND	0.5	0.13	ug/L	0.9901	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-01:12SBL	

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.5	0.14	ug/L	0.9901	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:12SBL
PCB 1248	ND	0.5	0.064	ug/L	0.9901	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:12SBL
PCB 1254	ND	0.5	0.026	ug/L	0.9901	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:12SBL
PCB 1260	ND	0.5	0.055	ug/L	0.9901	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:12SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	71.8	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Prometryne	ND	2	0.095	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-01:38SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	95.0	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 ^{AGT:1}												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-19:41SG
EPA 524.2 ^{VOA:13}												
4-Bromofluorobenzene [‡]	99.0	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,2-Dichlorobenzene-d4 [‡]	92.5	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Benzene	ND	0.5	0.081	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Bromoform	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Bromomethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Chloroethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Chloroform	0.968	0.5	0.070	ug/L	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Chloromethane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Naphthalene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Styrene	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	Ufh	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Toluene	ND	0.5	0.055	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	ND	0.5	0.060	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
Total Trihalomethanes	0.968	0.5	0.12	ug/L	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-18:33VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-03:49SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-03:49SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-03:49SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-03:49SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-03:49SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-03:49SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-03:49SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-03:49SG
EPA 547 AGT:1												
Glyphosate	ND	20	0.97	ug/L	1	U	547	211419	09/21/16 16:35	547	213777-LC204	09/22/16-13:04SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211392	09/21/16 11:29	548.1	214269-GC220	09/30/16-20:37SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-15:33SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	122	70-130		%	1		552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:12SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:12SBL
Chloroacetic Acid	0.873	2	0.28	ug/L	1	Jbh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:12SBL
Dibromoacetic Acid	ND	1	0.25	ug/L	1	Ubh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:12SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:12SBL
Trichloroacetic Acid	0.507	1	0.39	ug/L	1	Jb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:12SBL
Haloacetic acids (five)	1.38	1	0.55	ug/L	1	hJb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:12SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	47.7	15-143		%	0.98522		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
Chlordane	ND	2	0.32	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
Toxaphene	ND	2	0.044	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
PCB 1016	ND	0.49	0.13	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
PCB 1221	ND	0.49	0.084	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
PCB 1232	ND	0.49	0.20	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
PCB 1242	ND	0.49	0.20	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
PCB 1248	ND	0.49	0.064	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
PCB 1254	ND	0.49	0.086	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
PCB 1260	ND	0.49	0.11	ug/L	0.98522	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-04:20SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	95.4	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Fluorobenzene [‡]	90.8	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Pentafluorobenzene [‡]	74.1	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Chloroform	0.816	0.5	0.045	ug/L	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:12VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	75.0	10-99		%	0.93897		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2-Fluorophenol [‡]	68.0	15-96		%	0.93897		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Nitrobenzene-d5 [‡]	63.4	11-102		%	0.93897		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Phenol-d6 [‡]	65.6	9-103		%	0.93897		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
p-Terphenyl-d14 [‡]	64.4	25-123		%	0.93897		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2,4,6-Tribromophenol [‡]	67.1	17-97		%	0.93897		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Acenaphthene	ND	0.94	0.50	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Acenaphthylene	ND	0.94	0.39	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Anthracene	ND	0.94	0.43	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Benzidine	ND	9.4	1.8	ug/L	0.93897	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Benzo(a)anthracene	ND	0.94	0.43	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Benzo(b)fluoranthene	ND	0.94	0.37	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Benzo(k)fluoranthene	ND	0.94	0.50	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Benzo(g,h,i)perylene	ND	0.94	0.40	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Benzo(a)pyrene	ND	0.94	0.40	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
4-Bromophenylphenylether	ND	0.94	0.46	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
bis(2-Chloroethoxy)methane	ND	0.94	0.56	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
bis(2-Chloroethyl)ether	ND	0.94	0.52	ug/L	0.93897	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
bis(2-Chloroisopropyl)ether	ND	0.94	0.53	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
bis(2-Ethylhexyl)phthalate	0.780	1.9	0.41	ug/L	0.93897	Jb	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2-Chloronaphthalene	ND	0.94	0.63	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
4-Chlorophenylphenylether	ND	0.94	0.62	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Chrysene	ND	0.94	0.51	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Dibenzo(a,h)anthracene	ND	0.94	0.37	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Di-n-butylphthalate	2.11	1.9	0.35	ug/L	0.93897		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
1,2-Dichlorobenzene	ND	0.94	0.47	ug/L	0.93897	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
1,3-Dichlorobenzene	ND	0.94	0.45	ug/L	0.93897	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
1,4-Dichlorobenzene	ND	0.94	0.47	ug/L	0.93897	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
3,3'-Dichlorobenzidine	ND	0.94	0.43	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Diethylphthalate	ND	0.94	0.34	ug/L	0.93897	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Dimethylphthalate	ND	0.94	0.31	ug/L	0.93897	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
4,6-Dinitro-2-methylphenol	ND	0.94	0.43	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2,4-Dinitrotoluene	ND	0.94	0.49	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2,6-Dinitrotoluene	ND	0.94	0.55	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Di-n-octylphthalate	ND	0.94	0.31	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Fluoranthene	ND	0.94	0.44	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Fluorene	ND	0.94	0.62	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Hexachlorobenzene	ND	0.94	0.47	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Hexachlorobutadiene	ND	0.94	0.45	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Hexachlorocyclopentadiene	ND	0.94	0.24	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Hexachloroethane	ND	0.94	0.43	ug/L	0.93897	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Indeno(1,2,3-c,d)pyrene	ND	0.94	0.38	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Isophorone	ND	0.94	0.41	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Naphthalene	ND	0.94	0.55	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Nitrobenzene	ND	0.94	0.47	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.93897	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
N-Nitrosodiphenylamine	ND	0.94	0.74	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
N-Nitrosodi-n-propylamine	ND	0.94	0.53	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Phenanthrene	ND	0.94	0.50	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Phenol	ND	0.94	0.88	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Pyrene	ND	0.94	0.46	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
Pyridine	ND	9.4	0.32	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
1,2,4-Trichlorobenzene	ND	0.94	0.48	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2,4,6-Trichlorophenol	ND	0.94	0.90	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
1,2-Diphenylhydrazine	ND	0.94	0.47	ug/L	0.93897	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.93897	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-07:32SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.8	0.91	ng/L	0.95238	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Alpha BHC	ND	4.8	1.3	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Beta BHC	ND	4.8	1.5	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Delta BHC	ND	4.8	1.8	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
alpha-Chlordane	ND	4.8	1.8	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
gamma-Chlordane	ND	4.8	1.3	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
p,p'-DDD	ND	4.8	1.3	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
p,p'-DDE	ND	4.8	1.3	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
p,p'-DDT	ND	4.8	4.1	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Dieldrin	ND	4.8	1.5	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Endosulfan I	ND	4.8	2.1	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Endosulfan II	ND	4.8	2.1	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Endosulfan Sulfate	ND	4.8	1.2	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Endrin	ND	4.8	1.3	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Endrin Aldehyde	ND	4.8	1.9	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.8	1.8	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Heptachlor	ND	4.8	1.8	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Heptachlor Epoxide	ND	4.8	0.77	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Lindane (Gamma BHC)	ND	4.8	3.7	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Methoxychlor	ND	4.8	0.46	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
cis_Nonachlor	ND	48	1.6	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
o,p - DDD	ND	4.8	0.54	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
o,p - DDE	ND	4.8	0.35	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
o,p - DDT	ND	4.8	0.95	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
trans-Nonachlor	ND	48	1.2	ng/L	0.95238	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
Tetrachloro-m-xylene [‡]	75.3	26-90		%	0.95238		625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-20:32SG
TOC ^{AVT:14}												
TOC	0.648	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-19:14AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 14, 2016

Lab ID : SP 1611120-001

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-08:30

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : SMBRP-9

Project : Malibu WWTP - Baseline GWM

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	16.1 ± 3.52	2.83	pCi/L	15	1	900.0	211468	09/27/16 09:50	900.0	214475-GP216	10/04/16-14:00caa
Gross Beta	0.458 ± 1.52	1.60	pCi/L	50		900.0	211468	09/27/16 09:50	900.0	214416-GP218	09/29/16-12:00caa
Strontium 90	0.575 ± 0.796	0.491	pCi/L	8		905.0	211658	09/27/16 19:30	905.0	214239-GP217	09/29/16-09:20caa
Total Alpha Radium (226)	0.088 ± 0.273	0.470	pCi/L	3		903.0	211579	09/26/16 18:30	903.0	214169-GP216	09/28/16-13:40caa
Tritium	272 ± 266	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/26/16-18:00caa
Uranium	7.06 ± 1.78	0.300	pCi/L	20		908.0	211585	09/27/16 07:30	908.0	214183-GP220	09/28/16-14:34caa
Ra 228	0.030 ± 0.488	0.253	pCi/L	2		Ra - 05	211580	09/27/16 19:30	Ra - 05	214396-GP218	10/03/16-20:00caa
DQF Flags Definition:											
1 The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 14, 2016

Lab ID : SP 1611120-003

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-11:10

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : MCWP-MW07S

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 P:1'S												
Total Hardness as CaCO3	581	2.5	0.13	mg/L	1	U	200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Calcium	93.7	1	0.13	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Magnesium	84.3	1	0.0081	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Potassium	5.26	1	0.037	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Sodium	207	1	0.17	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Total Cations	20.8	0.1	0.13	meq/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Boron	0.390	0.05	0.00089	mg/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Copper	11.0	10	1.1	ug/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Iron	8360	50	2.3	ug/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Manganese	743	10	0.13	ug/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Zinc	26.7	20	3.2	ug/L	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
SAR	3.74	0.1	0.13	--	1		200.7	211611	09/27/16 11:00	200.7	214062-IT203	09/27/16-17:12AC
Total Alkalinity (as CaCO3)	456	10	1.1	mg/L	1		2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-06:58AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-06:58AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-06:58AMB
Bicarbonate as HCO3	556	10	1.1	mg/L	1.000		2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-06:58AMB
Sulfate	234	5	0.037	mg/L	5	b	300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:52mca
Chloride	217	5	0.042	mg/L	5		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:52mca
Nitrate as NO3	22.8	0.4	0.033	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:36mca
Nitrite as N	ND	0.1	0.0061	mg/L	1	U	300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:36mca

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral ^{P:15}												
Nitrate + Nitrite as N	5.20	0.1	0.033	mg/L	1		300.0	211412 09/20/16 16:55		300.0	213760-IC208 09/20/16-22:36mca	
Fluoride	0.477	0.1	0.027	mg/L	1		300.0	211412 09/20/16 16:55		300.0	213760-IC208 09/20/16-22:36mca	
Total Anions	20.5	0.1	1.1	meq/L	1.000	b	2320B	211377 09/21/16 05:00		2320B	213727-MT201 09/21/16-06:58AMB	
pH	7.26	--	0.0	units	1	T	4500-H B	211447 09/22/16 12:51		4500HB	213809-PH203 09/22/16-13:05JMG	
Specific Conductance	1900	1	0.0	umhos/cm	1		2510B	211380 09/21/16 09:42		2510B	213733-EC206 09/21/16-11:33JMG	
Total Dissolved Solids	1160	40	5.8	mg/L	1	b	2540CE	211395 09/21/16 13:45		2540C	213791-WT219 09/22/16-09:10JMG	
MBAS (foaming agents)	0.237	0.2	0.0053	mg/L	2		5540C	211431 09/21/16 17:15		5540C	213798-UV207 09/21/16-19:35jba	
Aggressiveness Index	12.3	1	0.0	--	1		4500-H B	211447 09/22/16 12:51		4500HB	213809-PH203 09/22/16-13:05JMG	
Langelier Index (20°C)	0.4	1	0.0	--	1	b	4500-H B	211447 09/22/16 12:51		4500HB	213809-PH203 09/22/16-13:05JMG	
Nitrate Nitrogen	5.20	0.1	0.0082	mg/L	1		300.0	211412 09/20/16 16:55		300.0	213760-IC208 09/20/16-22:36mca	
Metals, Total ^{P:15}												
Aluminum	4.42	0.2	0.000050	mg/L	20		3010	211956 10/04/16 03:30		200.8	214575-IX202 10/05/16-15:37AC	
Antimony	0.000288	0.001	0.000044	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Arsenic	0.00626	0.002	0.000047	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Barium	0.0916	0.0002	0.000026	mg/L	1	hP	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Beryllium	0.000130	0.0002	0.000043	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Cadmium	0.000187	0.0002	0.000031	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Chromium	0.0303	0.001	0.000066	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Copper	0.00970	0.001	0.000071	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Lead	0.00244	0.0002	0.000013	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Mercury	0.00000240	0.00001	0.0000021	mg/L	1	J	245.1	211519 09/24/16 14:54		245.1	213926-HG204 09/26/16-09:45AC	
Nickel	0.0200	0.001	0.000040	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Selenium	0.00315	0.002	0.00017	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Silver	ND	0.00025	0.000022	mg/L	1	U	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Thallium	0.0000500	0.0002	0.000018	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Chromium III	0.0289	0.001	0.000066	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-14:03AC	
Wet Chemistry ^{AGT:1}												
BOD	4.07	6.3	0.19	mg/L	3.1633	J	5210B	211382 09/21/16 15:42		5210B	213941-O2205 09/26/16-13:42KMM	
Chlorine, Total	0.0708	0.1	0.069	mg/L	1	JT	4500CIG	211467 09/22/16 18:03		4500CIG	213837-UV207 09/22/16-18:37SJN	
Chromium VI	1.38	0.1	0.012	ug/L	1		218.6	211616 09/23/16 11:46		218.6	214002-IC209 09/23/16-18:30MCA	

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry AGT:1												
Color	<5.00	5	0.0	units	1	U	2120B	211682	09/21/16 09:00	2120B	214081-JMG	09/21/16-09:25jmg
Cyanide, Total	ND	0.01	0.0023	mg/L	1	U	4500CNCE	211863	10/01/16 14:12	4500CNCE	214313-UV207	10/02/16-15:22AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211784	09/30/16 03:50	4500NH3G	214218-FI207	09/30/16-06:48AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211784	09/30/16 03:50	4500NH3G	214218-FI207	09/30/16-06:48AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	211470	09/23/16 08:16	EPA351.2	211902-FI206	09/26/16-08:19AMB
Nitrogen, Total as Nitrogen	5.20	0.5	0.32	mg/L	1	b	351.2	211470	09/23/16 08:16	EPA351.2	211902-FI206	09/26/16-08:19AMB
Nitrate + Nitrite as N	5.20	0.1	0.033	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-22:36mca
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	211470	09/23/16 08:16	EPA351.2	211902-FI206	09/26/16-08:19AMB
Odor	ND	1	0.0	TON	1	U	2150B	211832	09/21/16 08:10	2150B	214274-JMG	09/21/16-08:40jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.1111	U	1664	211764	09/29/16 13:43	1664	214253-WT215	09/30/16-13:39AMM
Phosphorus, Total	0.545	0.2	0.031	mg/L	2		4500-P B	211807	09/30/16 11:17	4500PE	214242-UV205	09/30/16-14:10SJM
Solids, Total Suspended (TSS)	306	13	0.49	mg/L	13.333		2540D	211562	09/26/16 17:05	2540D	213987-WT215	09/27/16-09:09jba
Turbidity	16.7	0.2	0.048	NTU	1		2130B	211422	09/21/16 16:17	2130B	213778-TR203	09/21/16-16:29jba
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	211486	09/23/16 15:00	314.0	213927-IC207	09/23/16-22:36SBL

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.
- P Post Digestion Spike (PDS) not within Acceptance Range (AR).
- T Exceeded method-specific holding time.

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 14, 2016

Lab ID : SP 1611120-003

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-11:10

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : MCWP-MW07S

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 VOA:1												
1,3-Dibromopropane [‡]	105	70-130		%	0.97645		504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-06:29SBL
DBCP	ND	0.0098	0.0057	ug/L	0.97645	U	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-06:29SBL
EDB	ND	0.02	0.0027	ug/L	0.97645	Ub	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-06:29SBL
EPA 505 VOA:1												
Tetrachloro-m-xylene [‡]	91.3	70-130		%	0.99736		505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Alachlor	ND	0.2	0.13	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Aldrin	ND	0.01	0.0040	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Chlordane	ND	0.1	0.041	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Dieldrin	ND	0.01	0.0024	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Endrin	ND	0.01	0.0054	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Heptachlor	ND	0.01	0.0026	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Heptachlor Epoxide	ND	0.01	0.0046	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Hexachlorobenzene	ND	0.01	0.0031	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Hexachlorocyclopentadiene	ND	0.1	0.027	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Methoxychlor	ND	0.1	0.0098	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
Toxaphene	ND	0.5	0.11	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
PCB 1016	ND	0.5	0.22	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
PCB 1221	ND	0.5	0.067	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
PCB 1232	ND	0.5	0.13	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.5	0.14	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
PCB 1248	ND	0.5	0.064	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
PCB 1254	ND	0.5	0.026	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
PCB 1260	ND	0.5	0.055	ug/L	0.99736	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-01:53SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	89.4	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Prometryne	ND	2	0.095	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:16SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	107	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 ^{AGT:1}												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-20:22SG
EPA 524.2 ^{VOA:13}												
4-Bromofluorobenzene [‡]	92.0	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,2-Dichlorobenzene-d4 [‡]	97.3	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Benzene	ND	0.5	0.081	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Bromoform	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Bromomethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Chloroethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Chloroform	0.198	0.5	0.070	ug/L	1	Jf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Chloromethane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
cis-1,2-Dichloroethylene	0.592	0.5	0.064	ug/L	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Naphthalene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Styrene	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	Ufh	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Toluene	ND	0.5	0.055	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	0.183	0.5	0.060	ug/L	1	Jf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
Total Trihalomethanes	0.198	0.5	0.12	ug/L	1	UfJ	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:45VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:20SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:20SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:20SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:20SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:20SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:20SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:20SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:20SG
EPA 547 AGT:1												
Glyphosate	ND	20	0.97	ug/L	1	U	547	211419	09/21/16 16:35	547	213777-LC204	09/22/16-13:30SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211392	09/21/16 11:29	548.1	214269-GC220	09/30/16-21:06SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-15:41SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	98.4	70-130		%	1		552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:44SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:44SBL
Chloroacetic Acid	0.952	2	0.28	ug/L	1	Jbh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:44SBL
Dibromoacetic Acid	1.08	1	0.25	ug/L	1	bh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:44SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:44SBL
Trichloroacetic Acid	0.510	1	0.39	ug/L	1	Jb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:44SBL
Haloacetic acids (five)	2.54	1	0.55	ug/L	1	hJb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-00:44SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	60.6	15-143		%	0.95694		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
Chlordane	ND	1.9	0.32	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
Toxaphene	ND	1.9	0.044	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
PCB 1016	ND	0.48	0.13	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
PCB 1221	ND	0.48	0.084	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
PCB 1232	ND	0.48	0.20	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
PCB 1242	ND	0.48	0.20	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
PCB 1248	ND	0.48	0.064	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
PCB 1254	ND	0.48	0.086	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
PCB 1260	ND	0.48	0.11	ug/L	0.95694	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:01SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	92.1	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Fluorobenzene [‡]	90.4	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Pentafluorobenzene [‡]	71.2	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Chloroform	ND	0.5	0.045	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-16:39VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	80.5	10-99		%	0.95238		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2-Fluorophenol [‡]	79.2	15-96		%	0.95238		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Nitrobenzene-d5 [‡]	83.3	11-102		%	0.95238		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Phenol-d6 [‡]	71.2	9-103		%	0.95238		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
p-Terphenyl-d14 [‡]	70.5	25-123		%	0.95238		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2,4,6-Tribromophenol [‡]	78.0	17-97		%	0.95238		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Acenaphthene	ND	0.95	0.50	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Acenaphthylene	ND	0.95	0.39	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Anthracene	ND	0.95	0.43	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Benzidine	ND	9.5	1.8	ug/L	0.95238	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Benzo(a)anthracene	ND	0.95	0.43	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Benzo(b)fluoranthene	ND	0.95	0.37	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Benzo(k)fluoranthene	ND	0.95	0.50	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Benzo(g,h,i)perylene	ND	0.95	0.40	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Benzo(a)pyrene	ND	0.95	0.40	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
4-Bromophenylphenylether	ND	0.95	0.46	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
bis(2-Chloroethoxy)methane	ND	0.95	0.56	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
bis(2-Chloroethyl)ether	ND	0.95	0.52	ug/L	0.95238	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
bis(2-Chloroisopropyl)ether	ND	0.95	0.53	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
bis(2-Ethylhexyl)phthalate	1.48	1.9	0.41	ug/L	0.95238	Jb	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2-Chloronaphthalene	ND	0.95	0.63	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
4-Chlorophenylphenylether	ND	0.95	0.62	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Chrysene	ND	0.95	0.51	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Dibenzo(a,h)anthracene	ND	0.95	0.37	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Di-n-butylphthalate	0.629	1.9	0.35	ug/L	0.95238	J	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
1,2-Dichlorobenzene	ND	0.95	0.47	ug/L	0.95238	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
1,3-Dichlorobenzene	ND	0.95	0.45	ug/L	0.95238	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
1,4-Dichlorobenzene	ND	0.95	0.47	ug/L	0.95238	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
3,3'-Dichlorobenzidine	ND	0.95	0.43	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Diethylphthalate	ND	0.95	0.34	ug/L	0.95238	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Dimethylphthalate	ND	0.95	0.31	ug/L	0.95238	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
4,6-Dinitro-2-methylphenol	ND	0.95	0.43	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2,4-Dinitrophenol	ND	4.8	0.22	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2,4-Dinitrotoluene	ND	0.95	0.49	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2,6-Dinitrotoluene	ND	0.95	0.55	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Di-n-octylphthalate	ND	0.95	0.31	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Fluoranthene	ND	0.95	0.44	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Fluorene	ND	0.95	0.62	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Hexachlorobenzene	ND	0.95	0.47	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Hexachlorobutadiene	ND	0.95	0.45	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Hexachlorocyclopentadiene	ND	0.95	0.24	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Hexachloroethane	ND	0.95	0.43	ug/L	0.95238	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Indeno(1,2,3-c,d)pyrene	ND	0.95	0.38	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Isophorone	ND	0.95	0.41	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Naphthalene	ND	0.95	0.55	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Nitrobenzene	ND	0.95	0.47	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.95238	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
N-Nitrosodiphenylamine	ND	0.95	0.74	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
N-Nitrosodi-n-propylamine	ND	0.95	0.53	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Phenanthrene	ND	0.95	0.50	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Phenol	ND	0.95	0.88	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Pyrene	ND	0.95	0.46	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
Pyridine	ND	9.5	0.32	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
1,2,4-Trichlorobenzene	ND	0.95	0.48	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2,4,6-Trichlorophenol	ND	0.95	0.90	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
1,2-Diphenylhydrazine	ND	0.95	0.47	ug/L	0.95238	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.95238	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-08:22SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.7	0.91	ng/L	0.93897	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Beta BHC	ND	4.7	1.5	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Delta BHC	ND	4.7	1.8	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Dieldrin	ND	4.7	1.5	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Endrin	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.7	1.8	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Heptachlor	ND	4.7	1.8	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
trans-Nonachlor	ND	47	1.2	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
Tetrachloro-m-xylene [‡]	57.8	26-90		%	0.93897		625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:15SG
TOC ^{AVT:14}												
TOC	0.599	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-19:32AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 14, 2016

Lab ID : SP 1611120-003

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-11:10

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : MCWP-MW07S

Project : Malibu WWTP - Baseline GWM

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	3.75 ± 2.45	2.83	pCi/L	15	1	900.0	211468	09/27/16 09:50	900.0	214475-GP216	10/04/16-16:00caa
Gross Beta	2.71 ± 1.31	1.20	pCi/L	50		900.0	211468	09/27/16 09:50	900.0	214419-GP219	09/28/16-17:00caa
Strontium 90	0.000 ± 0.711	0.491	pCi/L	8		905.0	211658	09/27/16 19:30	905.0	214239-GP217	09/29/16-09:40caa
Total Alpha Radium (226)	0.220 ± 0.311	0.470	pCi/L	3		903.0	211579	09/26/16 18:30	903.0	214169-GP216	09/28/16-14:00caa
Tritium	542 ± 272	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/26/16-19:00caa
Uranium	1.93 ± 1.03	0.300	pCi/L	20		908.0	211585	09/27/16 07:30	908.0	214183-GP220	09/28/16-14:58caa
Ra 228	0.000 ± 0.468	0.200	pCi/L	2		Ra - 05	211580	09/27/16 19:30	Ra - 05	214395-GP219	10/03/16-19:40emv
DQF Flags Definition:											
1 The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 14, 2016

Lab ID : SP 1611120-009

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-10:00

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : LAMW-5S

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	P:1'S											
Total Hardness as CaCO3	425	2.5	0.0065	mg/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Calcium	84.7	1	0.0065	mg/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Magnesium	52.0	1	0.0037	mg/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Potassium	3.71	1	0.065	mg/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Sodium	109	1	0.27	mg/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Total Cations	13.3	0.1	0.0065	meq/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Boron	0.248	0.05	0.0050	mg/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Copper	2.53	10	1.2	ug/L	1	J	200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Iron	397	50	5.0	ug/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Manganese	81.3	10	0.099	ug/L	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Zinc	3.79	20	1.0	ug/L	1	J	200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
SAR	2.30	0.1	0.0065	--	1		200.7	211390	09/21/16 10:46	200.7	213697-IT203	09/21/16-14:56AC
Total Alkalinity (as CaCO3)	233	10	1.1	mg/L	1		2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:41AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:41AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:41AMB
Bicarbonate as HCO3	284	10	1.1	mg/L	1.000		2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:41AMB
Sulfate	200	5	0.037	mg/L	5	b	300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-23:22mca
Chloride	125	5	0.042	mg/L	5		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-23:22mca
Nitrate as NO3	55.1	0.4	0.033	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-23:07mca
Nitrite as N	ND	0.1	0.0061	mg/L	1	U	300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-23:07mca

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral ^{P:15}												
Nitrate + Nitrite as N	12.4	0.1	0.033	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-23:07mca
Fluoride	0.253	0.1	0.027	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-23:07mca
Total Anions	13.2	0.1	1.1	meq/L	1.000	b	2320B	211377	09/21/16 05:00	2320B	213727-MT201	09/21/16-07:41AMB
pH	6.74	--	0.0	units	1	T	4500-H B	211447	09/22/16 12:51	4500HB	213809-PH203	09/22/16-13:06JMG
Specific Conductance	1300	1	0.0	umhos/cm	1		2510B	211380	09/21/16 09:42	2510B	213733-EC206	09/21/16-11:33JMG
Total Dissolved Solids	863	40	5.8	mg/L	1	b	2540CE	211395	09/21/16 13:45	2540C	213791-WT219	09/22/16-09:09JMG
MBAS (foaming agents)	0.0714	0.2	0.0053	mg/L	2	J	5540C	211431	09/21/16 17:15	5540C	213798-UV207	09/21/16-19:35jba
Aggressiveness Index	11.4	1	0.0	--	1		4500-H B	211447	09/22/16 12:51	4500HB	213809-PH203	09/22/16-13:06JMG
Langelier Index (20°C)	-0.5	1	0.0	--	1	b	4500-H B	211447	09/22/16 12:51	4500HB	213809-PH203	09/22/16-13:06JMG
Nitrate Nitrogen	12.4	0.1	0.0082	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-23:07mca
Metals, Total ^{P:15}												
Aluminum	0.473	0.02	0.000050	mg/L	2		3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:11AC
Antimony	0.000427	0.001	0.000044	mg/L	1	J	3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Arsenic	0.00798	0.002	0.000047	mg/L	1		3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Barium	0.0103	0.0002	0.000026	mg/L	1		3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Cadmium	0.000166	0.0002	0.000031	mg/L	1	J	3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Chromium	0.00458	0.001	0.000066	mg/L	1		3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Copper	0.00470	0.001	0.000071	mg/L	1		3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Lead	0.000641	0.0002	0.000013	mg/L	1		3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Mercury	ND	0.00001	.0000021	mg/L	1	U	245.1	211519	09/24/16 14:54	245.1	213926-HG204	09/26/16-09:56AC
Nickel	0.0142	0.001	0.000040	mg/L	1		3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Selenium	0.000859	0.002	0.00017	mg/L	1	J	3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Silver	0.000205	0.00025	0.000022	mg/L	1	J	3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Thallium	0.0000230	0.0002	0.000018	mg/L	1	J	3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Chromium III	0.00415	0.001	0.000066	mg/L	1		3010	212354	10/13/16 04:00	200.8	215037-IX202	10/14/16-10:05AC
Wet Chemistry ^{AGT:1}												
BOD	0.48	6.3	0.19	mg/L	3.1633	J	5210B	211382	09/21/16 15:45	5210B	213941-O2205	09/26/16-13:42KMM
Chlorine, Total	ND	0.1	0.069	mg/L	1	UT	4500CIG	211467	09/22/16 18:03	4500CIG	213837-UV207	09/22/16-18:38SJN
Chromium VI	0.429	0.1	0.012	ug/L	1		218.6	211616	09/23/16 11:46	218.6	214002-IC209	09/23/16-18:41MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry AGT:1												
Color	<5.00	5	0.0	units	1	U	2120B	211682	09/21/16 09:00	2120B	214081-JMG	09/21/16-09:25jmg
Cyanide, Total	ND	0.01	0.0023	mg/L	1	U	4500CNCE	211863	10/01/16 14:12	4500CNCE	214313-UV207	10/02/16-15:23AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-08:25AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-08:25AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	211378	09/21/16 08:17	EPA351.2	213843-FI206	09/23/16-08:16AMB
Nitrogen, Total as Nitrogen	12.4	0.5	0.19	mg/L	1	b	351.2	211378	09/21/16 08:17	EPA351.2	213843-FI206	09/23/16-08:16AMB
Nitrate + Nitrite as N	12.4	0.1	0.033	mg/L	1		300.0	211412	09/20/16 16:55	300.0	213760-IC208	09/20/16-23:07mca
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	211378	09/21/16 08:17	EPA351.2	213843-FI206	09/23/16-08:16AMB
Odor	ND	1	0.0	TON	1	U	2150B	211832	09/21/16 08:10	2150B	214274-JMG	09/21/16-08:40jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.0870	U	1664	211831	10/04/16 12:49	1664	214520-WT215	10/05/16-14:14AMM
Phosphorus, Total	7.04	0.5	0.031	mg/L	5		4500-P B	211807	09/30/16 11:17	4500PE	214242-UV205	09/30/16-14:11SJN
Solids, Total Suspended (TSS)	378	17	0.49	mg/L	16.667		2540D	211562	09/26/16 17:05	2540D	213987-WT215	09/27/16-09:09jba
Turbidity	6.32	0.2	0.048	NTU	1		2130B	211422	09/21/16 16:17	2130B	213778-TR203	09/21/16-16:29jba
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	211486	09/23/16 15:00	314.0	213927-IC207	09/23/16-22:58SBL
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.										
T		Exceeded method-specific holding time.										

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4,NH4OH

October 14, 2016

Lab ID : SP 1611120-009

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-10:00

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : LAMW-5S

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 VOA:1												
1,3-Dibromopropane [‡]	108	70-130		%	0.96701		504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-07:40SBL	
DBCP	ND	0.0097	0.0057	ug/L	0.96701	U	504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-07:40SBL	
EDB	ND	0.019	0.0027	ug/L	0.96701	Ub	504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-07:40SBL	
EPA 505 VOA:1												
Tetrachloro-m-xylene [‡]	94.8	70-130		%	0.99561		505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Alachlor	ND	0.2	0.13	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Aldrin	ND	0.01	0.0040	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Chlordane	ND	0.1	0.041	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Dieldrin	ND	0.01	0.0024	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Endrin	ND	0.01	0.0054	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Heptachlor	ND	0.01	0.0026	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Heptachlor Epoxide	ND	0.01	0.0046	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Hexachlorobenzene	ND	0.01	0.0031	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Hexachlorocyclopentadiene	ND	0.1	0.027	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Methoxychlor	ND	0.1	0.0098	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
Toxaphene	ND	0.5	0.11	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
PCB 1016	ND	0.5	0.22	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
PCB 1221	ND	0.5	0.067	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	
PCB 1232	ND	0.5	0.13	ug/L	0.99561	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-02:34SBL	

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.5	0.14	ug/L	0.99561	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-02:34SBL
PCB 1248	ND	0.5	0.064	ug/L	0.99561	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-02:34SBL
PCB 1254	ND	0.5	0.026	ug/L	0.99561	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-02:34SBL
PCB 1260	ND	0.5	0.055	ug/L	0.99561	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-02:34SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	104	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Prometryne	ND	2	0.095	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-02:53SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	115	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 ^{AGT:1}												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	09/30/16-21:03SG
EPA 524.2 ^{VOA:13}												
4-Bromofluorobenzene [‡]	98.0	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,2-Dichlorobenzene-d4 [‡]	93.1	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Benzene	ND	0.5	0.081	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Bromodichloromethane	0.335	0.5	0.099	ug/L	1	Jf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Bromoform	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Bromomethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Chloroethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Chloroform	31.0	0.5	0.070	ug/L	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Chloromethane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Dichloromethane	0.574	0.5	0.062	ug/L	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Naphthalene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Styrene	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	Ufh	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Toluene	ND	0.5	0.055	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	ND	0.5	0.060	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
Total Trihalomethanes	31.3	0.5	0.12	ug/L	1	fJ	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/22/16-22:38VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:51SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:51SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:51SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:51SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:51SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:51SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:51SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-04:51SG
EPA 547 AGT:1												
Glyphosate	ND	20	0.97	ug/L	1	U	547	211419	09/21/16 16:35	547	213777-LC204	09/22/16-14:20SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211392	09/21/16 11:29	548.1	214269-GC220	09/30/16-21:34SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-15:48SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	103	70-130		%	1		552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-01:15SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-01:15SBL
Chloroacetic Acid	ND	2	0.28	ug/L	1	Ubh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-01:15SBL
Dibromoacetic Acid	ND	1	0.25	ug/L	1	Ubh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-01:15SBL
Dichloroacetic Acid	0.823	1	0.57	ug/L	1	Jh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-01:15SBL
Trichloroacetic Acid	0.564	1	0.39	ug/L	1	Jb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-01:15SBL
Haloacetic acids (five)	1.39	1	0.55	ug/L	1	hbJ	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-01:15SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	52.3	15-143		%	0.93458		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
Chlordane	ND	1.9	0.32	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
PCB 1221	ND	0.47	0.084	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
PCB 1248	ND	0.47	0.064	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-05:42SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	99.8	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Fluorobenzene [‡]	90.3	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Pentafluorobenzene [‡]	69.4	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Chloroform	23.7	0.5	0.045	ug/L	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Methylene Chloride	0.722	0.5	0.24	ug/L	1	Jf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-15:45VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	76.6	10-99		%	0.9434		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2-Fluorophenol [‡]	75.0	15-96		%	0.9434		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Nitrobenzene-d5 [‡]	99.2	11-102		%	0.9434		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Phenol-d6 [‡]	67.3	9-103		%	0.9434		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
p-Terphenyl-d14 [‡]	79.7	25-123		%	0.9434		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2,4,6-Tribromophenol [‡]	75.1	17-97		%	0.9434		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Acenaphthene	ND	0.94	0.50	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Acenaphthylene	ND	0.94	0.39	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Anthracene	ND	0.94	0.43	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Benzidine	ND	9.4	1.8	ug/L	0.9434	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Benzo(a)anthracene	ND	0.94	0.43	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Benzo(b)fluoranthene	ND	0.94	0.37	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Benzo(k)fluoranthene	ND	0.94	0.50	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Benzo(g,h,i)perylene	ND	0.94	0.40	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Benzo(a)pyrene	ND	0.94	0.40	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
4-Bromophenylphenylether	ND	0.94	0.46	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
bis(2-Chloroethoxy)methane	ND	0.94	0.56	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
bis(2-Chloroethyl)ether	ND	0.94	0.52	ug/L	0.9434	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
bis(2-Chloroisopropyl)ether	ND	0.94	0.53	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
bis(2-Ethylhexyl)phthalate	ND	1.9	0.41	ug/L	0.9434	Ub	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2-Chloronaphthalene	ND	0.94	0.63	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
4-Chlorophenylphenylether	ND	0.94	0.62	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Chrysene	ND	0.94	0.51	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Dibenzo(a,h)anthracene	ND	0.94	0.37	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Di-n-butylphthalate	0.431	1.9	0.35	ug/L	0.9434	J	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
1,2-Dichlorobenzene	ND	0.94	0.47	ug/L	0.9434	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
1,3-Dichlorobenzene	ND	0.94	0.45	ug/L	0.9434	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
1,4-Dichlorobenzene	ND	0.94	0.47	ug/L	0.9434	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
3,3'-Dichlorobenzidine	ND	0.94	0.43	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Diethylphthalate	ND	0.94	0.34	ug/L	0.9434	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Dimethylphthalate	ND	0.94	0.31	ug/L	0.9434	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
4,6-Dinitro-2-methylphenol	ND	0.94	0.43	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2,4-Dinitrotoluene	ND	0.94	0.49	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2,6-Dinitrotoluene	ND	0.94	0.55	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Di-n-octylphthalate	ND	0.94	0.31	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Fluoranthene	ND	0.94	0.44	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Fluorene	ND	0.94	0.62	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Hexachlorobenzene	ND	0.94	0.47	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Hexachlorobutadiene	ND	0.94	0.45	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Hexachlorocyclopentadiene	ND	0.94	0.24	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Hexachloroethane	ND	0.94	0.43	ug/L	0.9434	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Indeno(1,2,3-c,d)pyrene	ND	0.94	0.38	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Isophorone	ND	0.94	0.41	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Naphthalene	ND	0.94	0.55	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Nitrobenzene	ND	0.94	0.47	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.9434	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
N-Nitrosodiphenylamine	ND	0.94	0.74	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
N-Nitrosodi-n-propylamine	ND	0.94	0.53	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Phenanthrene	ND	0.94	0.50	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Phenol	ND	0.94	0.88	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Pyrene	ND	0.94	0.46	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
Pyridine	ND	9.4	0.32	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
1,2,4-Trichlorobenzene	ND	0.94	0.48	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2,4,6-Trichlorophenol	ND	0.94	0.90	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
1,2-Diphenylhydrazine	ND	0.94	0.47	ug/L	0.9434	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.9434	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-09:12SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.7	0.91	ng/L	0.9434	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Alpha BHC	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Beta BHC	ND	4.7	1.5	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Delta BHC	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Dieldrin	ND	4.7	1.5	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Endosulfan I	ND	4.7	2.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Endosulfan II	ND	4.7	2.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Endrin	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Heptachlor	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Methoxychlor	ND	4.7	0.46	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
cis_Nonachlor	ND	47	1.6	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
o,p - DDD	ND	4.7	0.54	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
o,p - DDE	ND	4.7	0.35	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
o,p - DDT	ND	4.7	0.95	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
trans-Nonachlor	ND	47	1.2	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
Tetrachloro-m-xylene [‡]	68.4	26-90		%	0.9434		625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-21:58SG
TOC ^{AVT:14}												
TOC	1.10	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-19:50AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 14, 2016

Rincon Consultants, Inc.

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

Lab ID : SP 1611120-009

Customer ID : 2-25173

Sampled On : September 20, 2016-10:00

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : LAMW-5S

Project : Malibu WWTP - Baseline GWM

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	2.18 ± 1.74	2.20	pCi/L	15	1	900.0	211468	09/27/16 09:50	900.0	214416-GP218	09/29/16-14:00caa
Gross Beta	2.28 ± 1.26	1.50	pCi/L	50		900.0	211468	09/27/16 09:50	900.0	214416-GP218	09/29/16-14:00caa
Strontium 90	0.000 ± 0.654	0.491	pCi/L	8		905.0	211658	09/27/16 19:30	905.0	214239-GP217	09/29/16-10:00caa
Total Alpha Radium (226)	0.039 ± 0.227	0.470	pCi/L	3		903.0	211579	09/26/16 18:30	903.0	214169-GP216	09/29/16-07:00caa
Tritium	312 ± 267	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/26/16-20:00caa
Uranium	0.000 ± 0.513	0.300	pCi/L	20		908.0	211585	09/27/16 07:30	908.0	214183-GP220	09/28/16-15:23caa
Ra 228	0.000 ± 0.484	0.253	pCi/L	2		Ra - 05	211580	09/27/16 19:30	Ra - 05	214396-GP218	10/03/16-20:20caa
DQF Flags Definition:											
1 The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 14, 2016

Lab ID : SP 1611120-014

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 20, 2016-14:00

Sampled By : Rincon (Field)

Received On : September 20, 2016-15:36

Matrix : Monitoring Well

Description : SMBRP-7B

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
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0900	0.1	0.032	mg/L	1	J	4500NO3F	211400	09/21/16 11:45	4500NO3F	213764-FI207	09/21/16-12:33JDD
Nitrite Nitrogen	0.0150	0.1	0.011	mg/L	1	J	4500NO2F	211402	09/21/16 11:45	4500NO3F	213763-FI207	09/21/16-12:31JDD
Nitrogen, Organic	0.403	0.5	0.072	mg/L	1	b	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-06:48AMB
Ammonia Nitrogen	0.215	0.2	0.072	mg/L	1		4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-06:48AMB
Kjeldahl Nitrogen	0.618	0.5	0.19	mg/L	1	b	351.2	211513	09/24/16 06:52	EPA351.2	211902-FI206	09/26/16-08:54AMB
Phosphorus, Total	0.445	0.2	0.031	mg/L	2		4500-P B	211807	09/30/16 11:17	4500PE	214242-UV205	09/30/16-14:12SJN
Total Dissolved Solids (TFR)	3920	34	5.8	mg/L	1.7	b	2540CE	211444	09/22/16 10:48	2540C	213845-WT219	09/23/16-10:10CTL
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. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dibromoethane(EDB)	504	09/27/16:211607SBL	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2487	97.6 %	70-130	
			LCS	ug/L	0.2514	102 %	70-130	
		(STK1652078-001)	MS	ug/L	0.2456	114 %	70-130	
			MSD	ug/L	0.2400	106 %	70-130	
			MSRPD	ug/L	0.5632	8.9%	≤30	
			QMDL	ug/L	0.01984	127 %	60-140	
1,3-Dibromopropane	504	09/27/16:211607SBL	Blank	ug/L	0.5815	107 %	70-130	
			LCS	ug/L	0.5837	103 %	70-130	
			LCS	ug/L	0.5901	105 %	70-130	
		(STK1652078-001)	MS	ug/L	0.5764	106 %	70-130	
			MSD	ug/L	0.5632	107 %	70-130	
			MSRPD	ug/L	0.5632	1.8%	≤30	
			QMDL	ug/L	0.5864	126 %	70-130	
DBCP	504	09/27/16:211607SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.2487	79.8 %	70-130	
			LCS	ug/L	0.2514	84.2 %	70-130	
		(STK1652078-001)	MS	ug/L	0.2456	76.5 %	70-130	
			MSD	ug/L	0.2400	79.3 %	70-130	
			MSRPD	ug/L	0.5632	1.3%	≤30	
			QMDL	ug/L	0.01984	71.1 %	60-140	
13DBP	504.1	09/28/16:214053SBL	CCV	ug/L	7.481	130 %	70-130	
			CCV	ug/L	9.975	113 %	70-130	
			CCV	ug/L	7.481	126 %	70-130	
DBCP	504.1	09/28/16:214053SBL	CCV	ug/L	2.000	82.0 %	70-130	
			CCV	ug/L	5.000	89.2 %	70-130	
			CCV	ug/L	2.000	88.0 %	70-130	
EDB	504.1	09/28/16:214053SBL	CCV	ug/L	2.000	102 %	70-130	
			CCV	ug/L	5.000	104 %	70-130	
			CCV	ug/L	2.000	101 %	70-130	
Alachlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.2	
	505	09/27/16:213930SBL	CCV	ug/L	150.0	92.6 %	70-130	
			CCV	ug/L	100.0	108 %	70-130	
Aldrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.075	
	505	09/27/16:213930SBL	CCV	ug/L	15.00	99.6 %	70-130	
			CCV	ug/L	10.00	125 %	70-130	
Chlordane	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
Dieldrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	15.00	80.6 %	70-130	
			CCV	ug/L	10.00	90.2 %	70-130	
Endrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	15.00	85.0 %	70-130	
			CCV	ug/L	10.00	87.2 %	70-130	
Heptachlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	15.00	94.2 %	70-130	
			CCV	ug/L	10.00	110 %	70-130	
Heptachlor Epoxide	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	15.00	90.8 %	70-130	
			CCV	ug/L	10.00	102 %	70-130	
Hexachlorobenzene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	15.00	93.5 %	70-130	
			CCV	ug/L	10.00	110 %	70-130	
Hexachlorocyclopentadiene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
	505	09/27/16:213930SBL	CCV	ug/L	15.00	97.8 %	70-130	
			CCV	ug/L	10.00	109 %	70-130	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Lindane	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.05	
	505	09/27/16:213930SBL	CCV CCV	ug/L ug/L	15.00 10.00	83.6 % 93.1 %	70-130 70-130	
Methoxychlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
	505	09/27/16:213930SBL	CCV CCV	ug/L ug/L	75.00 50.00	91.4 % 97.1 %	70-130 70-130	
PCB 1016/1242 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1242	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	505	09/26/16:211552JOM (STK1651769-001)	Blank	ug/L	1.106	99.3 %	70-130	435
			LCS	ug/L	1.142	99.4 %	70-130	
			MS	ug/L	1.196	103 %	N/A	
			MSD	ug/L	1.176	1.1 %	N/A	
			MSRPD	ug/L	1.176	196%	≤30.0	
	505	09/27/16:213930SBL	CCV CCV	ug/L ug/L	30.03 20.02	98.7 % 123 %	70-130 70-130	
Toxaphene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
Alachlor	507	09/28/16:211665SG	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	87.4 %	70-130	
			BS	ug/L	2.500	103 %	47-147	
			BSD	ug/L	2.500	87.3 %	47-147	
			BSRPD	ug/L	12.50	0.38	≤1	
	507	10/06/16:214531SG	CCV CCV	ug/L ug/L	500.0 1000	104 % 105 %	80-120 80-120	
Atrazine	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	101 %	70-130	
			BS	ug/L	2.500	86.5 %	52-154	
			BSD	ug/L	2.500	92.4 %	52-154	
			BSRPD	ug/L	12.50	0.15	≤0.5	
	507	10/06/16:214531SG	CCV CCV	ug/L ug/L	500.0 1000	101 % 95.0 %	80-120 80-120	
Bromacil	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	100 %	70-130	
			BS	ug/L	2.500	132 %	38-170	
			BSD	ug/L	2.500	99.6 %	38-170	
			BSRPD	ug/L	12.50	0.81	≤2	
	507	10/06/16:214531SG	CCV CCV	ug/L ug/L	500.0 1000	96.1 % 90.7 %	80-120 80-120	
Butachlor	507	09/28/16:211665SG	Blank	ug/L		ND	<0.38	
			LCS	ug/L	2.500	118 %	70-130	
			BS	ug/L	2.500	92.6 %	37-150	
			BSD	ug/L	2.500	111 %	37-150	
			BSRPD	ug/L	12.50	17.9%	≤53.8	
	507	10/06/16:214531SG	CCV CCV	ug/L ug/L	500.0 1000	117 % 109 %	80-120 80-120	
Cyanazine	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	105 %	70-130	
			BS	ug/L	2.500	119 %	41-152	
			BSD	ug/L	2.500	98.0 %	41-152	
			BSRPD	ug/L	12.50	19.5%	≤30	

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Organic								
Cyanazine	507	10/06/16:214531SG	CCV	ug/L	500.0	115 %	80-120	
			CCV	ug/L	1000	94.5 %	80-120	
Diazinon	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	75.8 %	70-130	
			BS	ug/L	2.500	68.4 %	56-128	
			BSD	ug/L	2.500	68.4 %	56-128	
			BSRPD	ug/L	12.50	0.0019	≤2	
	507	10/06/16:214531SG	CCV	ug/L	500.0	97.5 %	80-120	
			CCV	ug/L	1000	84.4 %	80-120	
Dimethoate	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	106 %	70-130	
			BS	ug/L	2.500	88.7 %	49-168	
			BSD	ug/L	2.500	94.4 %	49-168	
			BSRPD	ug/L	12.50	0.14	≤2	
	507	10/06/16:214531SG	CCV	ug/L	500.0	102 %	80-120	
			CCV	ug/L	1000	104 %	80-120	
EPN/Triphenylphosphate	507	09/28/16:211665SG	Blank	ug/L	12.50	88.4 %	70-130	
			LCS	ug/L	12.50	94.3 %	70-130	
			BS	ug/L	12.50	82.0 %	70-130	
			BSD	ug/L	12.50	93.0 %	70-130	
			BSRPD	ug/L	12.50	12.6%	≤30	
Metolachlor	507	09/28/16:211665SG	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	116 %	70-130	
			BS	ug/L	2.500	80.4 %	45-154	
			BSD	ug/L	2.500	79.2 %	45-154	
			BSRPD	ug/L	12.50	0.031	≤1	
	507	10/06/16:214531SG	CCV	ug/L	500.0	112 %	80-120	
			CCV	ug/L	1000	117 %	80-120	
Metribuzin	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	101 %	70-130	
			BS	ug/L	2.500	76.0 %	30-169	
			BSD	ug/L	2.500	96.5 %	30-169	
			BSRPD	ug/L	12.50	0.51	≤0.5	410
	507	10/06/16:214531SG	CCV	ug/L	500.0	82.4 %	80-120	
			CCV	ug/L	1000	81.8 %	80-120	
Molinate	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	100 %	70-130	
			BS	ug/L	2.500	81.7 %	19-191	
			BSD	ug/L	2.500	80.3 %	19-191	
			BSRPD	ug/L	12.50	0.034	≤2	
	507	10/06/16:214531SG	CCV	ug/L	500.0	114 %	80-120	
			CCV	ug/L	1000	90.4 %	80-120	
Prometryne	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	103 %	70-130	
			BS	ug/L	2.500	89.2 %	44-152	
			BSD	ug/L	2.500	106 %	44-152	
			BSRPD	ug/L	12.50	0.43	≤2	
	507	10/06/16:214531SG	CCV	ug/L	500.0	97.0 %	80-120	
			CCV	ug/L	1000	95.5 %	80-120	
Propachlor	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	93.5 %	70-130	
			BS	ug/L	2.500	88.2 %	36-179	
			BSD	ug/L	2.500	101 %	36-179	
			BSRPD	ug/L	12.50	0.32	≤0.5	

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Organic								
Propachlor	507	10/06/16:214531SG	CCV CCV	ug/L ug/L	500.0 1000	116 % 98.0 %	80-120 80-120	
Simazine	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 2.500 2.500 2.500 12.50	ND 108 % 95.8 % 102 % 0.15	<0.5 70-130 49-167 49-167 ≤0.5	
	507	10/06/16:214531SG	CCV CCV	ug/L ug/L	500.0 1000	104 % 95.6 %	80-120 80-120	
Thiobencarb	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 2.500 2.500 2.500 12.50	ND 102 % 76.2 % 92.0 % 0.40	<1 70-130 50-148 50-148 ≤1	
	507	10/06/16:214531SG	CCV CCV	ug/L ug/L	500.0 1000	96.8 % 93.7 %	80-120 80-120	
Triphenylphosphate	507	10/06/16:214531SG	CCV CCV	ug/L ug/L	2500 7501	114 % 112 %	80-120 80-120	
2,4,5-T	515.3	09/30/16:214256SG	CCV CCV	ug/L ug/L	40.00 80.00	130 % 128 %	70-130 70-130	
2,4,5-TP (Silvex)	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 4.000 4.000 4.000 20.00	ND 129 % 123 % 120 % 0.15	<1 70-130 70-130 70-130 ≤1	
	515.3	09/30/16:214256SG	CCV CCV	ug/L ug/L	40.00 80.00	125 % 126 %	70-130 70-130	
2,4,5-Trichlorophenoxyacetic A	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 4.000 4.000 4.000 20.00	ND 127 % 121 % 118 % 0.11	<1 70-130 70-130 70-130 ≤1	
2,4-D	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 8.000 8.000 8.000 20.00	ND 129 % 119 % 120 % 0.089	<2 70-130 70-130 70-130 ≤2	
	515.3	09/30/16:214256SG	CCV CCV	ug/L ug/L	80.00 160.0	120 % 128 %	70-130 70-130	
2,4-DCAA	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	92.7 % 107 % 96.5 % 97.1 % 0.6%	70-130 70-130 N/A N/A ≤30.	
	515.3	09/30/16:214256SG	CCV CCV	ug/L ug/L	200.0 400.0	111 % 103 %	70-130 70-130	
Bentazon	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 8.000 8.000 8.000 20.00	ND 127 % 111 % 107 % 0.31	<2 70-130 70-130 70-130 ≤2	
	515.3	09/30/16:214256SG	CCV CCV	ug/L ug/L	80.00 160.0	122 % 115 %	70-130 70-130	
Dalapon	515.3	09/27/16:211634SG	Blank	ug/L		ND	<10	

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Organic Dalapon	515.3	09/27/16:211634SG (STK1652078-001)	LCS	ug/L	52.00	83.1 %	70-130	
			MS	ug/L	52.00	103 %	70-130	
			MSD	ug/L	52.00	115 %	70-130	
			MSRPD	ug/L	20.00	10.5%	≤30.0	
	515.3	09/30/16:214256SG	CCV	ug/L	520.0	114 %	70-130	
			CCV	ug/L	1040	98.2 %	70-130	
Dicamba	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	122 %	70-130	
			MS	ug/L	4.000	116 %	70-130	
			MSD	ug/L	4.000	114 %	70-130	
	515.3	09/30/16:214256SG	MSRPD	ug/L	20.00	0.045	≤1	
			CCV	ug/L	40.00	123 %	70-130	
Dinoseb	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	8.000	128 %	70-130	
			MS	ug/L	8.000	115 %	70-130	
			MSD	ug/L	8.000	111 %	70-130	
	515.3	09/30/16:214256SG	MSRPD	ug/L	20.00	3.1%	≤30.0	
			CCV	ug/L	80.00	120 %	70-130	
Pentachlorophenol	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	4.000	130 %	70-130	
			MS	ug/L	4.000	115 %	70-130	
			MSD	ug/L	4.000	113 %	70-130	
	515.3	09/30/16:214256SG	MSRPD	ug/L	20.00	1.7%	≤30.0	
			CCV	ug/L	40.00	126 %	70-130	
Picloram	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	117 %	70-130	
			MS	ug/L	4.000	109 %	70-130	
			MSD	ug/L	4.000	110 %	70-130	
	515.3	09/30/16:214256SG	MSRPD	ug/L	20.00	0.043	≤1	
			CCV	ug/L	40.00	111 %	70-130	
1,1,1,2-Tetrachloroethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	92.4 %	12-178	
			MSD	ug/L	10.00	95.4 %	12-178	
			MSRPD	ug/L	10.00	3.2%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	94.6 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	70.3 %	12-178	
			MSD	ug/L	10.00	75.5 %	12-178	
			MSRPD	ug/L	10.00	7.1%	≤39	
1,1,1-Trichloroethane(TCA)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	9-176	
			MSD	ug/L	10.00	107 %	9-176	
			MSRPD	ug/L	10.00	5.0%	≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	97.5 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	75.3 %	9-176	
			MSD	ug/L	10.00	80.2 %	9-176	
			MSRPD	ug/L	10.00	6.3%	≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.2 %	70-130	

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Organic 1,1,2,2-Tetrachloroethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	96.9 %	23-180	
			MSD	ug/L	10.00	102 %	23-180	
			MSRPD	ug/L	10.00	4.9%	≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	104 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	75.1 %	23-180	
			MSD	ug/L	10.00	83.0 %	23-180	
			MSRPD	ug/L	10.00	10.0%	≤34	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.5 %	70-130	
1,1,2-Trichloroethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.0 %	25-173	
			MSD	ug/L	10.00	103 %	25-173	
			MSRPD	ug/L	10.00	4.5%	≤29	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	105 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.5 %	25-173	
			MSD	ug/L	10.00	80.3 %	25-173	
			MSRPD	ug/L	10.00	11.6%	≤29	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.6 %	70-130	
1,1-Dichloroethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	96.9 %	15-161	
			MSD	ug/L	10.00	103 %	15-161	
			MSRPD	ug/L	10.00	5.8%	≤36	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	97.4 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.1 %	15-161	
			MSD	ug/L	10.00	73.3 %	15-161	
			MSRPD	ug/L	10.00	7.3%	≤36	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.8 %	70-130	
1,1-Dichloroethylene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.2 %	0-162	
			MSD	ug/L	10.00	95.8 %	0-162	
			MSRPD	ug/L	10.00	8.2%	≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.0 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	62.9 %	0-162	
			MSD	ug/L	10.00	68.2 %	0-162	
			MSRPD	ug/L	10.00	8.2%	≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	78.6 %	70-130	
1,1-Dichloropropene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	0-171	
			MSD	ug/L	10.00	110 %	0-171	
			MSRPD	ug/L	10.00	8.1%	≤31	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	96.9 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	69.7 %	0-171	
			MSD	ug/L	10.00	73.5 %	0-171	
			MSRPD	ug/L	10.00	5.2%	≤31	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	90.6 %	70-130	
1,2,3-Trichlorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	90.8 %	14-181	
			MSD	ug/L	10.00	92.0 %	14-181	
			MSRPD	ug/L	10.00	1.2%	≤34	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic 1,2,3-Trichlorobenzene	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	101 %	70-130	
	524.2	09/27/16:211698VRG	Blank	ug/L		ND	<0.5	
		(SP 1611200-001)	MS	ug/L	10.00	68.0 %	14-181	
			MSD	ug/L	10.00	72.2 %	14-181	
			MSRPD	ug/L	10.00	6.0%	≤34	
1,2,4-Trichlorobenzene	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	94.2 %	70-130	
	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	86.0 %	10-180	
			MSD	ug/L	10.00	87.5 %	10-180	
			MSRPD	ug/L	10.00	1.8%	≤32	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	91.3 %	70-130	
	524.2	09/27/16:211698VRG	Blank	ug/L		ND	<0.5	
		(SP 1611200-001)	MS	ug/L	10.00	66.7 %	10-180	
			MSD	ug/L	10.00	66.3 %	10-180	
			MSRPD	ug/L	10.00	0.6%	≤32	
1,2,4-Trimethylbenzene	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	84.8 %	70-130	
	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	83.4 %	2-192	
			MSD	ug/L	10.00	89.9 %	2-192	
			MSRPD	ug/L	10.00	7.5%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	90.4 %	70-130	
	524.2	09/27/16:211698VRG	Blank	ug/L		ND	<0.5	
		(SP 1611200-001)	MS	ug/L	10.00	68.0 %	2-192	
			MSD	ug/L	10.00	71.7 %	2-192	
			MSRPD	ug/L	10.00	5.4%	≤39	
1,2-Dichlorobenzene	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	93.0 %	70-130	
	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	93.1 %	13-191	
			MSD	ug/L	10.00	98.6 %	13-191	
			MSRPD	ug/L	10.00	5.8%	≤35	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.3 %	70-130	
	524.2	09/27/16:211698VRG	Blank	ug/L		ND	<0.5	
		(SP 1611200-001)	MS	ug/L	10.00	74.7 %	13-191	
			MSD	ug/L	10.00	78.9 %	13-191	
			MSRPD	ug/L	10.00	5.6%	≤35	
1,2-Dichlorobenzene-d4	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.5 %	70-130	
	524.2	09/22/16:211610VRG	Blank	ug/L		93.4 %	70-130	
		(SP 1611120-001)	MS	ug/L	10.00	104 %	70-130	
			MSD	ug/L	10.00	105 %	70-130	
			MSRPD	ug/L	10.00	1.0%	≤20	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	102 %	70-130	
	524.2	09/27/16:211698VRG	Blank	ug/L		102 %	70-130	
		(SP 1611200-001)	MS	ug/L	10.00	108 %	70-130	
			MSD	ug/L	10.00	111 %	70-130	
			MSRPD	ug/L	10.00	3.2%	≤20	
1,2-Dichloroethane (EDC)	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	107 %	70-130	
	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	98.0 %	18-162	
			MSD	ug/L	10.00	102 %	18-162	
			MSRPD	ug/L	10.00	4.0%	≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	104 %	70-130	
	524.2	09/27/16:211698VRG	Blank	ug/L		ND	<0.5	
		(SP 1611200-001)	MS	ug/L	10.00	72.6 %	18-162	
			MSD	ug/L	10.00	80.6 %	18-162	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichloroethane (EDC)	524.2	09/27/16:211698VRG	MSRPD	ug/L	10.00	10.5%	≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	97.0 %	70-130	
1,2-Dichloropropane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	97.5 %	10-163	
			MSD	ug/L	10.00	103 %	10-163	
			MSRPD	ug/L	10.00	5.4%	≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	97.8 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.0 %	10-163	
			MSD	ug/L	10.00	76.2 %	10-163	
			MSRPD	ug/L	10.00	7.1%	≤34	
1,3,5-Trimethylbenzene	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	95.6 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.3 %	0-210	
			MSD	ug/L	10.00	93.7 %	0-210	
	524.2	09/22/16:211610VRG (SP 1611120-001)	MSRPD	ug/L	10.00	5.9%	≤40	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.6 %	0-210	
			MSD	ug/L	10.00	72.5 %	0-210	
1,3-Dichlorobenzene	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.9 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.3 %	17-182	
			MSD	ug/L	10.00	100 %	17-182	
	524.2	09/22/16:211610VRG (SP 1611120-001)	MSRPD	ug/L	10.00	5.3%	≤39	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	74.6 %	17-182	
			MSD	ug/L	10.00	80.5 %	17-182	
1,3-Dichloropropane	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	102 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	0-178	
			MSD	ug/L	10.00	108 %	0-178	
	524.2	09/22/16:211610VRG (SP 1611120-001)	MSRPD	ug/L	10.00	5.7%	≤29	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	74.0 %	0-178	
			MSD	ug/L	10.00	85.3 %	0-178	
1,4-Dichlorobenzene	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	104 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.2 %	19-183	
			MSD	ug/L	10.00	104 %	19-183	
	524.2	09/22/16:211610VRG (SP 1611120-001)	MSRPD	ug/L	10.00	5.8%	≤37	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	78.6 %	19-183	
			MSD	ug/L	10.00	84.0 %	19-183	
2,2-Dichloropropane	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	105 %	70-130	
			Blank	ug/L		ND	<0.5	
	524.2	09/22/16:211610VRG	MS	ug/L	10.00	88.1 %	0-288	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic 2,2-Dichloropropane	524.2	(SP 1611120-001)	MSD MSRPD	ug/L ug/L	10.00 10.00	91.5 % 3.8%	0-288 ≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	85.9 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 65.9 % 72.9 % 10.1%	<0.5 0-288 0-288 ≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	88.0 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 104 % 111 % 5.9%	<0.5 17-180 17-180 ≤38	
2-Chlorotoluene	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	105 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 77.2 % 82.5 % 6.7%	<0.5 17-180 17-180 ≤38	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	108 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	99.6 % 121 % 120 % 0.9%	70-130 70-130 70-130 ≤30	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	105 % 120 % 126 % 5.3%	70-130 70-130 70-130 ≤30	
4-Bromofluorobenzene (BFB)	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	116 %	70-130	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	118 %	70-130	
4-Chlorotoluene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 91.4 % 96.7 % 5.6%	<0.5 11-177 11-177 ≤41	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	93.3 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 70.2 % 75.8 % 7.6%	<0.5 11-177 11-177 ≤41	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	94.4 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 97.9 % 103 % 5.3%	<0.5 12-158 12-158 ≤36	
Benzene	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	97.6 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 68.8 % 74.9 % 8.4%	<0.5 12-158 12-158 ≤36	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	93.3 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 94.3 % 99.4 % 5.3%	<0.5 23-177 23-177 ≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	99.4 %	70-130	
Bromobenzene	524.2	09/27/16:211698VRG	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 Bromobenzene	524.2	(SP 1611200-001)	MS	ug/L	10.00	72.5 %	23-177	
			MSD	ug/L	10.00	77.6 %	23-177	
			MSRPD	ug/L	10.00	6.7%	≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	96.9 %	70-130	
Bromochloromethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	92.6 %	4-186	
			MSD	ug/L	10.00	96.5 %	4-186	
			MSRPD	ug/L	10.00	4.1%	≤30	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.5 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
MS			ug/L	10.00	68.2 %	4-186		
MSD			ug/L	10.00	73.4 %	4-186		
MSRPD			ug/L	10.00	7.4%	≤30		
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.2 %	70-130		
Bromodichloromethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	11-164	
			MSD	ug/L	10.00	118 %	11-164	
			MSRPD	ug/L	10.00	6.1%	≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	116 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
MS			ug/L	10.00	85.9 %	11-164		
MSD			ug/L	10.00	89.2 %	11-164		
MSRPD			ug/L	10.00	3.8%	≤34		
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	109 %	70-130		
Bromoform	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	145 %	0-235	
			MSD	ug/L	10.00	147 %	0-235	
			MSRPD	ug/L	10.00	1.3%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	152 %	70-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
MS			ug/L	10.00	110 %	0-235		
MSD			ug/L	10.00	115 %	0-235		
MSRPD			ug/L	10.00	4.3%	≤39		
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	129 %	70-130		
Bromomethane (Methyl Bromide)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	28.7 %	0-196	
			MSD	ug/L	40.00	30.3 %	0-196	
			MSRPD	ug/L	10.00	5.7%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	171 %	70-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
MS			ug/L	40.00	19.9 %	0-196		
MSD			ug/L	40.00	29.2 %	0-196		
MSRPD			ug/L	10.00	38.0%	≤40		
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	125 %	70-130		
Carbon Tetrachloride	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.4 %	5-175	
			MSD	ug/L	10.00	104 %	5-175	
			MSRPD	ug/L	10.00	5.4%	≤32	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	94.9 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
MS			ug/L	10.00	71.6 %	5-175		
MSD			ug/L	10.00	77.5 %	5-175		
MSRPD			ug/L	10.00	7.9%	≤32		
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.2 %	70-130		

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Chlorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	93.4 %	14-175	
			MSD	ug/L	10.00	99.6 %	14-175	
			MSRPD	ug/L	10.00	6.5%	≤35	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	96.5 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	69.3 %	14-175	
			MSD	ug/L	10.00	77.6 %	14-175	
			MSRPD	ug/L	10.00	11.4%	≤35	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	95.5 %	70-130	
Chloroethane (Ethyl Chloride)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	23.7 %	0-184	
			MSD	ug/L	40.00	25.4 %	0-184	
			MSRPD	ug/L	10.00	6.9%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	134 %	70-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	17.6 %	0-184	
			MSD	ug/L	40.00	23.4 %	0-184	
			MSRPD	ug/L	10.00	28.1%	≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.3 %	70-130	
Chloroform	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.8 %	15-163	
			MSD	ug/L	10.00	105 %	15-163	
			MSRPD	ug/L	10.00	4.6%	≤36	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	103 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	76.9 %	15-163	
			MSD	ug/L	10.00	82.5 %	15-163	
			MSRPD	ug/L	10.00	7.1%	≤36	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	101 %	70-130	
Chloromethane(Methyl Chloride)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	32.6 %	0-224	
			MSD	ug/L	40.00	35.6 %	0-224	
			MSRPD	ug/L	10.00	8.9%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	199 %	70-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	18.0 %	0-224	
			MSD	ug/L	40.00	25.5 %	0-224	
			MSRPD	ug/L	10.00	34.5%	≤39	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	106 %	70-130	
cis-1,2-Dichloroethylene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.7 %	16-172	
			MSD	ug/L	10.00	102 %	16-172	
			MSRPD	ug/L	10.00	6.9%	≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.5 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	66.0 %	16-172	
			MSD	ug/L	10.00	72.7 %	16-172	
			MSRPD	ug/L	10.00	9.8%	≤34	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.5 %	70-130	
cis-1,3-Dichloropropene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.9 %	5-158	
			MSD	ug/L	10.00	106 %	5-158	
			MSRPD	ug/L	10.00	6.1%	≤38	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic cis-1,3-Dichloropropene	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	101 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 73.4 % 82.4 % 11.5%	<0.5 5-158 5-158 ≤38	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.4 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 128 % 133 % 3.8%	<0.5 1-180 1-180 ≤34	
Dibromochloromethane	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	136 %	70-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 98.2 % 105 % 6.6%	<0.5 1-180 1-180 ≤34	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	120 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 96.0 % 100 % 4.1%	<0.5 11-168 11-168 ≤28	
Dibromomethane	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	104 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 73.8 % 78.4 % 6.0%	<0.5 11-168 11-168 ≤28	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	95.6 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	40.00 40.00 40.00 10.00	ND 24.6 % 26.3 % 6.6%	<0.5 0-334 0-334 ≤39	
Dichlorodifluoromethane	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	143 %	70-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	40.00 40.00 40.00 10.00	ND 12.8 % 18.7 % 37.0%	<0.5 0-334 0-334 ≤39	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	70.8 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 92.6 % 96.1 % 3.6%	<0.5 20-157 20-157 ≤36	
Dichloromethane	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 66.4 % 72.8 % 9.2%	<0.5 20-157 20-157 ≤36	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 145 % 157 % 7.5%	<3 11-165 11-165 ≤4	435
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	156 %	70-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 104 % 120 % 1.7	<3 11-165 11-165 ≤3	
Ethyl tert-Butyl Ether	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	144 %	70-130	360

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note		
Organic Ethylbenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5			
			MS	ug/L	10.00	84.2 %	9-174			
			MSD	ug/L	10.00	90.1 %	9-174			
			MSRPD	ug/L	10.00	6.7%	≤37			
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	85.3 %	70-130			
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5			
			MS	ug/L	10.00	61.2 %	9-174			
			MSD	ug/L	10.00	67.7 %	9-174			
MSRPD			ug/L	10.00	10.1%	≤37				
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	84.0 %	70-130				
Freon-11	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5			
			MS	ug/L	40.00	30.3 %	0-232			
			MSD	ug/L	40.00	33.2 %	0-232			
			MSRPD	ug/L	10.00	9.1%	≤35			
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5			
			MS	ug/L	40.00	20.5 %	0-232			
			MSD	ug/L	40.00	29.7 %	0-232			
			MSRPD	ug/L	10.00	36.5%	≤35			
Hexachlorobutadiene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5			
			MS	ug/L	10.00	86.6 %	14-200			
			MSD	ug/L	10.00	87.2 %	14-200			
			MSRPD	ug/L	10.00	0.7%	≤40			
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	87.7 %	70-130			
			524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
					MS	ug/L	10.00	68.6 %	14-200	
					MSD	ug/L	10.00	69.9 %	14-200	
MSRPD	ug/L	10.00			2.0%	≤40				
Isopropyl Ether	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<3			
			MS	ug/L	10.00	110 %	8-165			
			MSD	ug/L	10.00	119 %	8-165			
			MSRPD	ug/L	10.00	0.86	≤3			
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	129 %	70-130			
			524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<3	
					MS	ug/L	10.00	92.2 %	8-165	
					MSD	ug/L	10.00	97.5 %	8-165	
MSRPD	ug/L	10.00			0.54	≤3				
Isopropylbenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5			
			MS	ug/L	10.00	86.9 %	4-159			
			MSD	ug/L	10.00	92.1 %	4-159			
			MSRPD	ug/L	10.00	5.8%	≤37			
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	83.9 %	70-130			
			524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
					MS	ug/L	10.00	63.2 %	4-159	
					MSD	ug/L	10.00	67.1 %	4-159	
MSRPD	ug/L	10.00			6.0%	≤37				
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	84.6 %	70-130				
		Methyl tert-Butyl Ether	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	150 %	70-130	360
524.2	09/27/16:214096VRG		CCV	ug/L	10.00	133 %	70-130	360		
Methyl tert-Butyl Ether (MTBE)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<1.0			
			MS	ug/L	10.00	141 %	11-168			
			MSD	ug/L	10.00	152 %	11-168			
			MSRPD	ug/L	10.00	7.2%	≤29			

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Methyl tert-Butyl Ether (MTBE)	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	102 %	11-168	
			MSD	ug/L	10.00	113 %	11-168	
			MSRPD	ug/L	10.00	9.8%	≤29	
Methylene Chloride	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	100 %	70-130	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.4 %	70-130	
Naphthalene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	77.9 %	0-189	
			MSD	ug/L	10.00	79.0 %	0-189	
			MSRPD	ug/L	10.00	1.3%	≤32	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.5 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	59.5 %	0-189	
			MSD	ug/L	10.00	61.3 %	0-189	
			MSRPD	ug/L	10.00	2.9%	≤32	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	76.7 %	70-130	
n-Butylbenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.0 %	4-186	
			MSD	ug/L	10.00	93.2 %	4-186	
			MSRPD	ug/L	10.00	5.8%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	88.6 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.5 %	4-186	
			MSD	ug/L	10.00	69.8 %	4-186	
			MSRPD	ug/L	10.00	1.8%	≤37	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.7 %	70-130	
n-Propylbenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	89.3 %	0-174	
			MSD	ug/L	10.00	95.4 %	0-174	
			MSRPD	ug/L	10.00	6.6%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	87.3 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	64.5 %	0-174	
			MSD	ug/L	10.00	70.4 %	0-174	
			MSRPD	ug/L	10.00	8.8%	≤37	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.4 %	70-130	
p-Isopropyltoluene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	87.6 %	0-193	
			MSD	ug/L	10.00	92.9 %	0-193	
			MSRPD	ug/L	10.00	5.8%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	87.3 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	67.3 %	0-193	
			MSD	ug/L	10.00	70.2 %	0-193	
			MSRPD	ug/L	10.00	4.3%	≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.3 %	70-130	
sec-Butylbenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	89.7 %	0-177	
			MSD	ug/L	10.00	94.3 %	0-177	
			MSRPD	ug/L	10.00	5.0%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.8 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.1 %	0-177	
			MSD	ug/L	10.00	71.0 %	0-177	

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Organic sec-Butylbenzene	524.2	09/27/16:211698VRG	MSRPD	ug/L	10.00	4.2%	≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.8 %	70-130	
Styrene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	73.9 %	0-198	
			MSD	ug/L	10.00	79.4 %	0-198	
			MSRPD	ug/L	10.00	7.2%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	83.9 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	63.7 %	0-198	
			MSD	ug/L	10.00	66.3 %	0-198	
			MSRPD	ug/L	10.00	4.0%	≤37	
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	87.2 %	70-130		
TAME	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L	10.00	ND	<3	
			MS	ug/L	10.00	171 %	15-162	435
			MSD	ug/L	10.00	185 %	15-162	435
			MSRPD	ug/L	10.00	7.7%	≤3	435
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	182 %	70-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L	10.00	ND	<3	
			MS	ug/L	10.00	125 %	15-162	
			MSD	ug/L	10.00	139 %	15-162	
			MSRPD	ug/L	10.00	1.3	≤3	
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	167 %	70-130	360	
tert-Butylbenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	87.2 %	9-179	
			MSD	ug/L	10.00	92.0 %	9-179	
			MSRPD	ug/L	10.00	5.3%	≤38	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	84.1 %	30-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	65.6 %	9-179	
			MSD	ug/L	10.00	68.8 %	9-179	
			MSRPD	ug/L	10.00	4.7%	≤38	
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	86.2 %	30-130		
Tetrachloroethylene (PCE)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	95.7 %	14-186	
			MSD	ug/L	10.00	101 %	14-186	
			MSRPD	ug/L	10.00	5.5%	≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	92.4 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	71.0 %	14-186	
			MSD	ug/L	10.00	74.0 %	14-186	
			MSRPD	ug/L	10.00	4.0%	≤33	
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	93.3 %	70-130		
Toluene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	93.3 %	3-174	
			MSD	ug/L	10.00	101 %	3-174	
			MSRPD	ug/L	10.00	7.7%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	102 %	30-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L	10.00	ND	<0.5	
			MS	ug/L	10.00	71.3 %	3-174	
			MSD	ug/L	10.00	77.1 %	3-174	
			MSRPD	ug/L	10.00	7.8%	≤37	
524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.3 %	30-130		
trans-1,2-Dichloroethylene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	90.2 %	5-165	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic trans-1,2-Dichloroethylene	524.2	(SP 1611120-001)	MSD MSRPD	ug/L ug/L	10.00 10.00	95.1 % 5.4%	5-165 ≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	89.8 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 62.3 % 66.4 % 6.4%	<0.5 5-165 5-165 ≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	80.6 %	70-130	
trans-1,3-Dichloropropene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 91.9 % 97.6 % 6.0%	<0.5 0-169 0-169 ≤31	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.8 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 72.9 % 81.3 % 11.0%	<0.5 0-169 0-169 ≤31	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	99.1 %	70-130	
Trichloroethylene (TCE)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 93.1 % 98.9 % 6.1%	<0.5 11-167 11-167 ≤35	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	90.1 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 67.5 % 72.1 % 6.6%	<0.5 11-167 11-167 ≤35	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	87.6 %	70-130	
Trichlorofluoromethane F-11	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	161 %	70-130	360
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	113 %	70-130	
Trichlorotrifluoroethane F-113	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 88.3 % 94.4 % 6.7%	<0.5 0-183 0-183 ≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.6 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 70.8 % 75.6 % 6.5%	<0.5 0-183 0-183 ≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	83.4 %	70-130	
Vinyl Chloride	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	40.00 40.00 40.00 10.00	ND 35.8 % 40.1 % 11.4%	<0.5 0-208 0-208 ≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	208 %	30-130	360
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	40.00 40.00 40.00 10.00	ND 22.0 % 33.5 % 41.4%	<0.5 0-208 0-208 ≤40	435
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	132 %	30-130	360
Xylenes m,p	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	20.00 20.00 20.00 10.00	ND 88.0 % 93.6 % 6.2%	<0.5 0-193 0-193 ≤37	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Xylenes m,p	524.2	09/23/16:214001VRG	CCV	ug/L	20.00	89.3 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	20.00 20.00 20.00 10.00	ND 64.7 % 70.2 % 8.1%	<0.5 0-193 0-193 ≤37	
	524.2	09/27/16:214096VRG	CCV	ug/L	20.00	90.5 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 84.7 % 90.6 % 6.8%	<0.5 0-188 0-188 ≤36	
Xylenes o	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.0 %	70-130	
	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 62.9 % 65.4 % 3.9%	<0.5 0-188 0-188 ≤36	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	85.6 %	70-130	
	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 84.7 % 90.6 % 6.8%	<0.5 0-188 0-188 ≤36	
3-Hydroxycarbofuran	531.1	09/28/16:211702SG (STK1651142-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 82.8 % 93.2 % 81.6 % 13.3%	<3 80-120 65-135 65-135 ≤16.8	
	531.1	09/29/16:214102SG	CCV CCV	ug/L ug/L	10.00 20.00	114 % 89.8 %	80-120 80-120	
	531.1	09/28/16:211702SG (STK1651142-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 93.0 % 92.4 % 84.2 % 9.3%	<3 80-120 65-135 65-135 ≤11.2	
	531.1	09/29/16:214102SG	CCV CCV	ug/L ug/L	10.00 20.00	115 % 89.8 %	80-120 80-120	
Aldicarb	531.1	09/29/16:214102SG	CCV CCV	ug/L ug/L	10.00 20.00	115 % 107 %	80-120 80-120	
Aldicarb Sulfone	531.1	09/29/16:214102SG	CCV CCV	ug/L ug/L	10.00 20.00	115 % 107 %	80-120 80-120	
Aldicarb Sulfone/Sulfoxide	531.1	09/28/16:211702SG (STK1651142-001) (STK1651142-001)	Blank Blank LCS LCS MS MS MSD MSD MSRPD MSRPD	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00	ND ND 110 % 107 % 95.4 % 110 % 87.8 % 104 % 22.7% 8.3%	<3 <2 80-120 80-120 65-135 65-135 65-135 65-135 ≤13.8 ≤7.28	435 435
	531.1	09/29/16:214102SG	CCV CCV	ug/L ug/L	10.00 20.00	111 % 88.0 %	80-120 80-120	
	531.1	09/29/16:214102SG	CCV CCV	ug/L ug/L	10.00 20.00	83.4 % 83.1 %	80-120 80-120	
	531.1	09/28/16:211702SG (STK1651142-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 85.3 % 86.8 % 85.7 % 0.21	<5 80-120 65-135 65-135 ≤5	
Carbofuran	531.1	09/28/16:211702SG	Blank LCS MS	ug/L ug/L ug/L	20.00 20.00 20.00	ND 84.0 % 90.8 %	<5 80-120 65-135	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Carbofuran	531.1	(STK1651142-001)	MSD	ug/L	20.00	97.2 %	65-135	
			MSRPD	ug/L	20.00	1.3	≤5	
	531.1	09/29/16:214102SG	CCV	ug/L	10.00	103 %	80-120	
			CCV	ug/L	20.00	86.6 %	80-120	
Methomyl	531.1	09/28/16:211702SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	88.1 %	80-120	
		(STK1651142-001)	MS	ug/L	20.00	103 %	65-135	
			MSD	ug/L	20.00	87.0 %	65-135	
			MSRPD	ug/L	20.00	16.5%	≤53.1	
	531.1	09/29/16:214102SG	CCV	ug/L	10.00	99.9 %	80-120	
			CCV	ug/L	20.00	114 %	80-120	
Oxamyl	531.1	09/28/16:211702SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	104 %	80-120	
		(STK1651142-001)	MS	ug/L	20.00	89.6 %	65-135	
			MSD	ug/L	20.00	129 %	65-135	
			MSRPD	ug/L	20.00	7.8	≤5	435
	531.1	09/29/16:214102SG	CCV	ug/L	10.00	90.4 %	80-120	
			CCV	ug/L	20.00	93.0 %	80-120	
TOC	5310C	09/26/16:211516AMM	Blank	mg/L		ND	<0.3	
			BS	mg/L	15.00	111 %	75-125	
			BSD	mg/L	15.00	110 %	75-125	
			BSRPD	mg/L	15.00	1.5%	≤23.0	
	5310C	09/27/16:214089AMM	CCV	ppm	15.00	109 %	67-122	
			CCV	ppm	15.00	108 %	67-122	
Glyphosate	547	09/21/16:211419SG	Blank	ug/L		ND	<20	
			LCS	ug/L	200.0	101 %	71-129	
		(SP 1611142-001)	MS	ug/L	200.0	102 %	56-139	
			MSD	ug/L	200.0	99.3 %	56-139	
			MSRPD	ug/L	200.0	3.0%	≤15	
	547	09/22/16:213777SG	CCV	ug/L	200.0	95.3 %	80-120	
			CCV	ug/L	100.0	109 %	80-120	
			CCV	ug/L	200.0	102 %	80-120	
Endothall	548.1	09/21/16:211392SG	Blank	ug/L		5.5	40	
			LCS	ug/L	66.67	67.0 %	30-96	
		(SP 1611142-001)	MS	ug/L	66.67	60.0 %	15-87	
			MSD	ug/L	66.67	43.7 %	15-87	
			MSRPD	ug/L	66.67	11	≤40	
	548.1	09/30/16:214269SG	CCV	ug/L	2500	100 %	70-130	
			CCV	ug/L	1000	93.9 %	70-130	
Diquat Dibromide	549	09/22/16:211450SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	60.4 %	34-114	
		(SP 1611142-001)	MS	ug/L	20.00	49.1 %	0-86	
			MSD	ug/L	20.00	48.7 %	0-86	
			MSRPD	ug/L	20.00	0.061	≤2	
	549.2	09/23/16:213932SG	CCV	ug/L	1000	88.7 %	80-120	
			CCV	ug/L	500.0	86.8 %	80-120	
2,3-Dibromopropionic Acid	552	09/23/16:211501SBL	Blank	ug/L	5.000	111 %	70-130	
			LCS	ug/L	5.000	121 %	70-130	
		(SP 1610913-001)	MS	ug/L	5.000	124 %	70-130	
			MSD	ug/L	5.000	140 %	70-130	435
			MSRPD	ug/L	5.000	11.8%	≤20.0	
Dibromoacetic Acid	552	09/23/16:211501SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	96.8 %	70-130	
			MS	ug/L	10.00	129 %	70-130	

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Organic								
Dibromoacetic Acid	552	(SP 1610913-001)	MSD MSRPD	ug/L ug/L	10.00 5.000	184 % 24.9%	70-130 ≤20.0	435 435
Dichloroacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 10.00 10.00 10.00 5.000	ND 99.2 % 105 % 141 % 23.7%	<1 70-130 70-130 70-130 ≤20.0	 435 435
Monobromoacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 10.00 10.00 10.00 5.000	ND 97.2 % 107 % 132 % 19.4%	<1 70-130 70-130 70-130 ≤20.0	 435 435
Monochloroacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 10.00 10.00 10.00 5.000	ND 107 % 109 % 135 % 19.0%	<2 70-130 70-130 70-130 ≤20.0	 435 435
Trichloroacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 10.00 10.00 10.00 5.000	ND 73.9 % 83.2 % 113 % 28.7%	<1 70-130 70-130 70-130 ≤20.0	 435 435
2,3-Dibromopropionic Acid	552.2	09/28/16:213970SBL	CCV CCV	ug/L ug/L	50.00 50.00	102 % 88.5 %	70-130 70-130	
Dibromoacetic Acid	552.2	09/28/16:213970SBL	CCV CCV	ug/L ug/L	100.0 150.0	95.9 % 83.7 %	70-130 70-130	
Dichloroacetic Acid	552.2	09/28/16:213970SBL	CCV CCV	ug/L ug/L	100.0 150.0	102 % 85.0 %	70-130 70-130	
Monobromoacetic Acid	552.2	09/28/16:213970SBL	CCV CCV	ug/L ug/L	100.0 150.0	96.4 % 77.2 %	70-130 70-130	
Monochloroacetic Acid	552.2	09/28/16:213970SBL	CCV CCV	ug/L ug/L	100.0 150.0	106 % 85.3 %	70-130 70-130	
Trichloroacetic Acid	552.2	09/28/16:213970SBL	CCV CCV	ug/L ug/L	100.0 150.0	80.4 % 71.4 %	70-130 70-130	
Chlordane	608	09/27/16:211539JOM	Blank	ug/L		ND	<2	
PCB 1016 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1242 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	608	09/27/16:211539JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	0.5005 0.5005 0.5005 0.5005 0.5005	35.5 % 46.0 % 61.2 % 71.8 % 16.0%	15-143 15-143 26-141 26-141 ≤29	
	608	09/29/16:214106SBL	CCV CCV	ug/L ug/L	100.1 50.05	102 % 108 %	85-115 85-115	
Toxaphene	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
1,1,1-Trichloroethane(TCA)	624	09/22/16:211564VRG (SP 1611120-009)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	 10.00 10.00 10.00	ND 97.6 % 98.4 % 0.8%	<0.5 66-191 66-191 ≤21	

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Organic								
1,1,1-Trichloroethane(TCA)	624	09/22/16:213938VRG	CCV	ug/L	10.00	86.3 %	75-125	
1,1,2,2-Tetrachloroethane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	30-180	
			MSD	ug/L	10.00	119 %	30-180	
			MSRPD	ug/L	10.00	1.6%	≤19	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	105 %	60-140	
1,1,2-Trichloroethane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	50-146	
			MSD	ug/L	10.00	123 %	50-146	
			MSRPD	ug/L	10.00	7.5%	≤25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	104 %	71-129	
1,1-Dichloroethane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	147 %	63-159	
			MSD	ug/L	10.00	147 %	63-159	
			MSRPD	ug/L	10.00	0.3%	≤22	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	129 %	72-128	360
1,1-Dichloroethylene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	107 %	0-279	
			MSD	ug/L	10.00	113 %	0-279	
			MSRPD	ug/L	10.00	5.3%	≤36	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	102 %	51-150	
1,2-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	149 %	57-153	
			MSD	ug/L	10.00	146 %	57-153	
			MSRPD	ug/L	10.00	1.6%	≤26	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	127 %	63-137	
1,2-Dichloroethane (EDC)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	56-158	
			MSD	ug/L	10.00	111 %	56-158	
			MSRPD	ug/L	10.00	7.0%	≤24	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	101 %	68-132	
1,2-Dichloropropane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	55-152	
			MSD	ug/L	10.00	126 %	55-152	
			MSRPD	ug/L	10.00	1.9%	≤23	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	114 %	34-166	
1,3-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	150 %	53-159	
			MSD	ug/L	10.00	153 %	53-159	
			MSRPD	ug/L	10.00	1.7%	≤28	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	127 %	73-127	
1,4-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	159 %	53-161	
			MSD	ug/L	10.00	158 %	53-161	
			MSRPD	ug/L	10.00	0.7%	≤27	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	138 %	63-137	360
2-Butanone (MEK)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<40	
			MS	ug/L	100.0	39.9 %	0-211	
			MSD	ug/L	100.0	43.9 %	0-211	
			MSRPD	ug/L	10.00	4.1	≤40	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	49.1 %	20-230	
2-Chloroethylvinyl ether	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<1	
			MS	ug/L	100.0	79.6 %	0-11	435
			MSD	ug/L	100.0	80.4 %	0-11	435

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Organic								
2-Chloroethylvinyl ether	624	09/22/16:211564VRG	MSRPD	ug/L	10.00	0.9%	≤3	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	93.7 %	10-224	
2-Hexanone	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	40.3 %	0-190	
			MSD	ug/L	100.0	40.4 %	0-190	
			MSRPD	ug/L	10.00	0.074	≤30	
4-Bromofluorobenzene	624	09/22/16:213938VRG (SP 1611120-009)	CCV	ug/L	80.00	52.1 %	20-283	
			Blank	ug/L	10.00	100 %	70-161	
			MS	ug/L	10.00	101 %	58-151	
			MSD	ug/L	10.00	93.6 %	58-151	
4-Methyl-2-pentanone (MIBK)	624	09/22/16:213938VRG (SP 1611120-009)	MSRPD	ug/L	10.00	8.1%	≤14	
			CCV	ug/L	10.00	97.4 %	70-130	
			Blank	ug/L		ND	<30	
			MS	ug/L	100.0	48.0 %	0-194	
Acetone	624	09/22/16:211564VRG (SP 1611120-009)	MSD	ug/L	100.0	51.5 %	0-194	
			MSRPD	ug/L	10.00	3.5	≤30	
			CCV	ug/L	80.00	61.1 %	20-233	
			Blank	ug/L		ND	<25	
Acrolein	624	09/22/16:211564VRG (SP 1611120-009)	MS	ug/L	100.0	61.9 %	0-270	
			MSD	ug/L	100.0	62.0 %	0-270	
			MSRPD	ug/L	10.00	0.069	≤25	
			CCV	ug/L	80.00	105 %	20-367	
Acrylonitrile	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<5	
			MS	ug/L	200.0	102 %	0-171	
			MSD	ug/L	200.0	119 %	0-171	
			MSRPD	ug/L	10.00	15.8%	≤50	
Benzene	624	09/22/16:213938VRG (SP 1611120-009)	CCV	ug/L	200.0	85.7 %	20-209	
			Blank	ug/L		ND	<2	
			MS	ug/L	200.0	147 %	0-244	
			MSD	ug/L	200.0	150 %	0-244	
Bromodichloromethane	624	09/22/16:211564VRG (SP 1611120-009)	MSRPD	ug/L	10.00	2.3%	≤47	
			CCV	ug/L	200.0	108 %	20-278	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	65-155	
Bromoform	624	09/22/16:213938VRG (SP 1611120-009)	MSD	ug/L	10.00	111 %	65-155	
			MSRPD	ug/L	10.00	0.6%	≤21	
			CCV	ug/L	10.00	99.2 %	64-136	
			Blank	ug/L		ND	<0.5	
Bromomethane (Methyl Bromide)	624	09/22/16:211564VRG (SP 1611120-009)	MS	ug/L	10.00	129 %	62-150	
			MSD	ug/L	10.00	131 %	62-150	
			MSRPD	ug/L	10.00	1.4%	≤22	
			CCV	ug/L	10.00	110 %	65-135	
Carbon Disulfide	624	09/22/16:213938VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	147 %	64-150	
			MSD	ug/L	10.00	138 %	64-150	
			MSRPD	ug/L	10.00	6.3%	≤16	
	624	09/22/16:213938VRG (SP 1611120-009)	CCV	ug/L	10.00	132 %	71-129	360
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	272 %	48-196	435
			MSD	ug/L	10.00	279 %	48-196	435
	624	09/22/16:213938VRG (SP 1611120-009)	MSRPD	ug/L	10.00	2.5%	≤24	
			CCV	ug/L	10.00	224 %	14-186	360
			Blank	ug/L		ND	<5	
			MS	ug/L	100.0	82.8 %	0-230	

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Organic								
Carbon Disulfide	624	(SP 1611120-009)	MSD	ug/L	100.0	82.5 %	0-230	
			MSRPD	ug/L	10.00	0.4%	≤72	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	103 %	20-242	
Carbon Tetrachloride	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	69-206	
		(SP 1611120-009)	MSD	ug/L	10.00	104 %	69-206	
			MSRPD	ug/L	10.00	0.7%	≤19	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	99.0 %	73-127	
Chlorobenzene	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	69-152	
		(SP 1611120-009)	MSD	ug/L	10.00	124 %	69-152	
			MSRPD	ug/L	10.00	1.0%	≤24	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	108 %	66-134	
Chloroethane (Ethyl Chloride)	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	170 %	53-214	
		(SP 1611120-009)	MSD	ug/L	10.00	168 %	53-214	
			MSRPD	ug/L	10.00	1.0%	≤32	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	136 %	38-162	
Chloroform	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	55-155	
		(SP 1611120-009)	MSD	ug/L	10.00	111 %	55-155	
			MSRPD	ug/L	10.00	0.9%	≤22	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	104 %	67-133	
Chloromethane(Methyl Chloride)	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	232 %	33-202	435
		(SP 1611120-009)	MSD	ug/L	10.00	253 %	33-202	435
			MSRPD	ug/L	10.00	8.8%	≤25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	265 %	0-204	360
cis-1,3-Dichloropropene	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	59-142	
		(SP 1611120-009)	MSD	ug/L	10.00	131 %	59-142	
			MSRPD	ug/L	10.00	1.9%	≤23	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	116 %	24-176	
Dibromochloromethane	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	53-151	
		(SP 1611120-009)	MSD	ug/L	10.00	124 %	53-151	
			MSRPD	ug/L	10.00	2.9%	≤25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	116 %	67-133	
Dichloromethane	624	09/22/16:211564VRG	Blank	ug/L		ND	<2	
			MS	ug/L	10.00	143 %	24-207	
		(SP 1611120-009)	MSD	ug/L	10.00	148 %	24-207	
			MSRPD	ug/L	10.00	2.8%	≤33	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	128 %	60-139	
Ethylbenzene	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	170 %	45-194	
		(SP 1611120-009)	MSD	ug/L	10.00	151 %	45-194	
			MSRPD	ug/L	10.00	11.7%	≤31	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	132 %	59-141	
Fluorobenzene	624	09/22/16:211564VRG	Blank	ug/L	10.00	96.7 %	72-139	
			MS	ug/L	10.00	101 %	90-121	
		(SP 1611120-009)	MSD	ug/L	10.00	95.4 %	90-121	
			MSRPD	ug/L	10.00	5.9%	≤3	435
	624	09/22/16:213938VRG	CCV	ug/L	10.00	94.6 %	70-130	
Freon-11	624	09/22/16:211564VRG	Blank	ug/L		ND	<2.0	

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Organic Freon-11	624	(SP 1611120-009)	MS	ug/L	10.00	165 %	57-259	
			MSD	ug/L	10.00	169 %	57-259	
			MSRPD	ug/L	10.00	1.9%	<27	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	117 %	48-152	
Methyl tert-Butyl Ether (MTBE)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<5	
			MS	ug/L	10.00	151 %	26-210	
			MSD	ug/L	10.00	150 %	26-210	
			MSRPD	ug/L	10.00	0.13	<5	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	135 %	63-178	
Pentafluorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L	10.00	70.3 %	59-151	
			MS	ug/L	10.00	73.9 %	74-148	
			MSD	ug/L	10.00	76.1 %	74-148	
			MSRPD	ug/L	10.00	2.9%	<10	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	76.7 %	70-130	
Styrene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	169 %	6-195	
			MSD	ug/L	10.00	153 %	6-195	
			MSRPD	ug/L	10.00	9.9%	<25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	133 %	67-158	
Tetrachloroethylene (PCE)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	63-171	
			MSD	ug/L	10.00	105 %	63-171	
			MSRPD	ug/L	10.00	0.6%	<26	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	90.9 %	73-127	
Toluene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	65-160	
			MSD	ug/L	10.00	112 %	65-160	
			MSRPD	ug/L	10.00	1.2%	<25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	101 %	74-126	
trans-1,2-Dichloroethylene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	68-179	
			MSD	ug/L	10.00	132 %	68-179	
			MSRPD	ug/L	10.00	2.3%	<51	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	112 %	69-131	
trans-1,3-Dichloropropene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	55-148	
			MSD	ug/L	10.00	136 %	55-148	
			MSRPD	ug/L	10.00	1.0%	<25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	121 %	50-150	
Trichloroethylene (TCE)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	117 %	54-178	
			MSD	ug/L	10.00	106 %	54-178	
			MSRPD	ug/L	10.00	9.7%	<22	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	98.9 %	66-134	
Vinyl Acetate	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<10	
			MS	ug/L	100.0	102 %	0-331	
			MSD	ug/L	100.0	107 %	0-331	
			MSRPD	ug/L	10.00	4.1%	<44	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	116 %	20-393	
Vinyl Chloride	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	435
			MS	ug/L	10.00	230 %	32-217	435
			MSD	ug/L	10.00	250 %	32-217	
			MSRPD	ug/L	10.00	8.4%	<26	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	171 %	4-196	

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Organic Xylenes m,p	624	09/22/16:211564VRG (SP 1611120-009)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	20.00 20.00 10.00	ND 166 % 147 % 12.3%	<1.0 50-181 50-181 ≤30	
	624	09/22/16:213938VRG	CCV	ug/L	20.00	129 %	45-170	
Xylenes o	624	09/22/16:211564VRG (SP 1611120-009)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00	ND 174 % 157 % 10.1%	<0.5 38-182 38-182 ≤29	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	137 %	63-163	
1,2,4-Trichlorobenzene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	ND 78.8 % 75.9 % 69.3 % 9.0%	<1 36-79 20-89 20-89 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	103 %	80-120	
1,2-Dichlorobenzene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	ND 83.4 % 81.1 % 75.8 % 6.7%	<1 32-75 18-83 18-83 ≤30	310
	625	09/27/16:214043SBL	CCV	mg/L	20.00	111 %	80-120	
1,2-Diphenylhydrazine	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	ND 94.8 % 97.9 % 87.5 % 11.2%	<1 63-89 25-125 25-125 ≤30	310
	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	ND 73.6 % 72.6 % 68.8 % 5.4%	<1 25-67 13-81 13-81 ≤30	310
1,3-Dichlorobenzene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	ND 73.6 % 72.6 % 68.8 % 5.4%	<1 25-67 13-81 13-81 ≤30	310
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
1,4-Dichlorobenzene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	ND 75.9 % 77.2 % 69.1 % 11.1%	<1 26-70 14-81 14-81 ≤30	310
	625	09/27/16:214043SBL	CCV	mg/L	20.00	107 %	80-120	
2,4,5-Trichlorophenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	ND 106 % 98.8 % 99.4 % 0.5%	<2 63-122 26-151 26-151 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	118 %	70-130	
2,4,6-Tribromophenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	90.9 % 96.4 % 89.5 % 87.9 % 1.8%	17-97 17-97 17-97 17-97 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
2,4,6-Trichlorophenol	625	09/21/16:211391JOM	Blank LCS BS	ug/L ug/L ug/L	20.00 20.00	ND 101 % 99.0 %	<1 67-124 24-139	
	625	09/21/16:211391JOM	Blank LCS BS	ug/L ug/L ug/L	20.00 20.00	ND 101 % 99.0 %	<1 67-124 24-139	

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Organic 2,4,6-Trichlorophenol	625	09/21/16:211391JOM	BSD	ug/L	20.00	96.0 %	24-139	
			BSRPD	ug/L	20.00	3.0%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
2,4-Dichlorophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	94.9 %	68-112	
			BS	ug/L	20.00	96.1 %	22-139	
			BSD	ug/L	20.00	88.4 %	22-139	
			BSRPD	ug/L	20.00	8.3%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	105 %	80-120	
2,4-Dimethylphenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	75.3 %	37-98	
			BS	ug/L	20.00	78.2 %	17-92	
			BSD	ug/L	20.00	71.3 %	17-92	
			BSRPD	ug/L	20.00	9.3%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	106 %	80-120	
2,4-Dinitrophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	110 %	67-115	
			BS	ug/L	20.00	76.6 %	0-158	
			BSD	ug/L	20.00	100 %	0-158	
			BSRPD	ug/L	20.00	4.7	≤5	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	93.6 %	80-120	
2,4-Dinitrotoluene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	106 %	74-147	
			BS	ug/L	20.00	99.6 %	23-146	
			BSD	ug/L	20.00	101 %	23-146	
			BSRPD	ug/L	20.00	1.7%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
2,6-Dinitrotoluene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	108 %	63-144	
			BS	ug/L	20.00	108 %	22-152	
			BSD	ug/L	20.00	102 %	22-152	
			BSRPD	ug/L	20.00	5.3%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	118 %	80-120	
2-Chlorophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	95.5 %	50-108	
			BS	ug/L	20.00	94.3 %	26-118	
			BSD	ug/L	20.00	91.6 %	26-118	
			BSRPD	ug/L	20.00	2.9%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
2-Fluorobiphenyl	625	09/21/16:211391JOM	Blank	ug/L	10.00	78.0 %	10-99	
			LCS	ug/L	10.00	81.8 %	10-99	
			BS	ug/L	10.00	80.0 %	10-99	
			BSD	ug/L	10.00	73.2 %	10-99	
			BSRPD	ug/L	20.00	8.8%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	10.00	108 %	80-120	
2-Fluorophenol	625	09/21/16:211391JOM	Blank	ug/L	20.00	88.1 %	15-96	
			LCS	ug/L	20.00	80.7 %	15-96	
			BS	ug/L	20.00	76.9 %	15-96	
			BSD	ug/L	20.00	77.7 %	15-96	
			BSRPD	ug/L	20.00	1.0%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
2-Nitrophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	99.6 %	59-132	
			BS	ug/L	20.00	98.9 %	29-132	

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Organic 2-Nitrophenol	625	09/21/16:211391JOM	BSD	ug/L	20.00	97.0 %	29-132	
			BSRPD	ug/L	20.00	1.9%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	112 %	80-120	
3,3-Dichlorobenzidine	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	68.0 %	59-148	
			BS	ug/L	20.00	55.2 %	14-100	
			BSD	ug/L	20.00	71.2 %	14-100	
			BSRPD	ug/L	20.00	25.2%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	120 %	80-120	
4,6-Dinitro-2-methylphenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	107 %	85-109	
			BS	ug/L	20.00	91.5 %	18-165	
			BSD	ug/L	20.00	106 %	18-165	
			BSRPD	ug/L	20.00	15.1%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	96.8 %	80-120	
4,6-Dinitro-o-cresol	625	09/27/16:214043SBL	CCV	mg/L	20.00	96.8 %	80-120	
4-Bromophenylphenylether	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.1 %	64-116	
			BS	ug/L	20.00	97.6 %	22-130	
			BSD	ug/L	20.00	89.0 %	22-130	
			BSRPD	ug/L	20.00	9.2%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	107 %	80-120	
4-Nitrophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	310
			LCS	ug/L	20.00	129 %	61-102	
			BS	ug/L	20.00	100 %	0-189	
			BSD	ug/L	20.00	119 %	0-189	
			BSRPD	ug/L	20.00	17.2%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	120 %	80-120	
Acenaphthene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	95.8 %	15-122	
			BS	ug/L	20.00	94.7 %	26-118	
			BSD	ug/L	20.00	88.1 %	26-118	
			BSRPD	ug/L	20.00	7.2%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	111 %	80-120	
Acenaphthylene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	97.8 %	17-118	
			BS	ug/L	20.00	96.6 %	30-113	
			BSD	ug/L	20.00	90.2 %	30-113	
			BSRPD	ug/L	20.00	6.9%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	115 %	80-120	
Anthracene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	103 %	23-126	
			BS	ug/L	20.00	100 %	29-122	
			BSD	ug/L	20.00	100 %	29-122	
			BSRPD	ug/L	20.00	0.02%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
Azobenzene	625	09/27/16:214043SBL	CCV	mg/L	20.00	103 %	80-120	
Benzidine	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	320
			LCS	ug/L	20.00	0.2 %	6-32	
			BS	ug/L	20.00	0.1 %	0-25	
			BSD	ug/L	20.00	0.0 %	0-25	
			BSRPD	ug/L	20.00	0.028	≤2	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	109 %	70-130	
Benzo(a)anthracene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	106 %	21-132	

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Organic								
Benzo(a)anthracene	625	09/21/16:211391JOM	BS BSD BSRPD	ug/L ug/L ug/L	20.00 20.00 20.00	110 % 109 % 0.5%	22-121 22-121 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
Benzo(a)pyrene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 109 % 103 % 109 % 5.2%	<1 21-142 10-135 10-135 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	117 %	80-120	
Benzo(b)fluoranthene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 109 % 104 % 108 % 3.4%	<1 20-137 18-126 18-126 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	106 %	80-120	
Benzo(g,h,i)perylene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 109 % 116 % 105 % 9.7%	<1 4-153 13-133 13-133 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	109 %	80-120	
Benzo(k)fluoranthene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 101 % 106 % 113 % 6.7%	<1 24-133 18-129 18-129 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	107 %	80-120	
bis(2-Chloroethoxy)methane	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 92.8 % 92.6 % 86.1 % 7.2%	<1 54-112 23-130 23-130 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
bis(2-Chloroethyl)ether	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 167 % 137 % 139 % 1.3%	<1 45-104 23-121 23-121 ≤30	310 436 436
	625	09/27/16:214043SBL	CCV	mg/L	20.00	106 %	80-120	
bis(2-Chloroisopropyl)ether	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 82.2 % 75.0 % 75.0 % 0.09%	<1 44-99 10-125 10-125 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	98.6 %	80-120	
bis(2-Ethylhexyl)phthalate	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 101 % 116 % 101 % 12.9%	<2 49-123 15-146 15-146 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
Butylbenzylphthalate	625	09/21/16:211391JOM	Blank LCS	ug/L ug/L	20.00 20.00	ND 73.4 %	<2 59-92	

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Organic Butylbenzylphthalate	625	09/21/16:211391JOM	BS BSD BSRPD	ug/L ug/L ug/L	20.00 20.00 20.00	62.3 % 57.4 % 8.2%	36-130 36-130 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
Chloronaphthalene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 90.0 % 88.1 % 80.6 % 8.9%	<1 51-100 17-123 17-123 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	106 %	80-120	
Chlorophenylphenylether	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 94.8 % 91.6 % 87.9 % 4.1%	<1 63-114 21-128 21-128 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
Chrysene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 109 % 111 % 111 % 0.6%	<1 22-130 22-119 22-119 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	116 %	80-120	
Dibenzo(a,h)anthracene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 128 % 131 % 117 % 10.6%	<1 9-150 11-141 11-141 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	123 %	80-120	360
Diethylphthalate	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 66.7 % 13.3 % 10.6 % 0.54	<1 33-76 25-128 25-128 ≤1	436 436
	625	09/27/16:214043SBL	CCV	mg/L	20.00	112 %	80-120	
Dimethylphthalate	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 38.3 % 5.3 % 3.2 % 0.42	<1 21-63 25-124 25-124 ≤1	436 436
	625	09/27/16:214043SBL	CCV	mg/L	20.00	109 %	80-120	
Di-n-butylphthalate	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 92.8 % 60.3 % 63.1 % 4.5%	<2 18-127 34-130 34-130 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	109 %	80-120	
Di-n-octylphthalate	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 83.6 % 99.2 % 92.2 % 7.3%	<1 29-136 27-131 27-131 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	94.0 %	80-120	
Fluoranthene	625	09/21/16:211391JOM	Blank LCS	ug/L ug/L	20.00 20.00	ND 112 %	<1 24-127	

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Organic Fluoranthene	625	09/21/16:211391JOM	BS BSD BSRPD	ug/L ug/L ug/L	20.00 20.00 20.00	100 % 111 % 10.3%	20-130 20-130 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
Fluorene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 100 % 98.5 % 95.4 % 3.3%	<1 20-123 25-126 25-126 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
Hexachlorobenzene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 94.8 % 97.7 % 92.6 % 5.4%	<1 65-114 18-120 18-120 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	105 %	80-120	
Hexachlorobutadiene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 60.7 % 51.5 % 49.1 % 4.7%	<1 20-61 13-84 13-84 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	103 %	80-120	
Hexachlorocyclopentadiene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 14.9 % 13.4 % 13.5 % 0.032	<1 0-46 0-64 0-64 ≤1	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	90.9 %	80-120	
Hexachloroethane	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 64.7 % 59.7 % 55.5 % 7.4%	<1 14-52 9-76 9-76 ≤30	310
	625	09/27/16:214043SBL	CCV	mg/L	20.00	112 %	80-120	
Indeno(1,2,3-c,d)pyrene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 122 % 136 % 122 % 10.4%	<1 3-158 0-153 0-153 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	125 %	80-120	360
Isophorone	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 94.6 % 95.5 % 91.7 % 4.0%	<1 55-108 26-122 26-122 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
Naphthalene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 91.3 % 88.9 % 82.0 % 8.1%	<1 7-117 24-103 24-103 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
Nitrobenzene	625	09/21/16:211391JOM	Blank LCS	ug/L ug/L	20.00 20.00	ND 88.5 %	<1 53-107	

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Organic Nitrobenzene	625	09/21/16:211391JOM	BS BSD BSRPD	ug/L ug/L ug/L	20.00 20.00 20.00	84.4 % 80.4 % 4.8%	25-120 25-120 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	105 %	80-120	
Nitrobenzene-d5	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00 20.00	84.6 % 80.5 % 77.2 % 69.4 % 10.6%	11-102 11-102 11-102 11-102 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	10.00	109 %	80-120	
N-Nitrosodimethylamine	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 85.6 % 79.9 % 76.8 % 4.0%	<2 34-102 13-128 13-128 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	102 %	80-120	
N-Nitrosodi-N-propylamine	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 91.2 % 91.9 % 88.6 % 3.6%	<1 48-108 9-142 9-142 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
N-Nitrosodiphenylamine	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 92.3 % 89.3 % 86.1 % 3.7%	<1 61-111 22-161 22-161 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	95.5 %	80-120	
p-Chloro-m-cresol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 103 % 103 % 97.7 % 5.1%	<2 68-111 25-139 25-139 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
Pentachlorophenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 120 % 109 % 119 % 9.4%	<2 46-168 0-170 0-170 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	122 %	80-120	360
Phenanthrene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 101 % 99.2 % 97.1 % 2.1%	<1 19-125 25-126 25-126 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	109 %	80-120	
Phenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 93.3 % 92.5 % 92.1 % 0.5%	<1 49-104 23-124 23-124 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
Phenol-d6	625	09/21/16:211391JOM	Blank LCS	ug/L ug/L	20.00 20.00	75.0 % 85.8 %	9-103 9-103	

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Organic Phenol-d6	625	09/21/16:211391JOM	BS BSD BSRPD	ug/L ug/L ug/L	20.00 20.00 20.00	78.4 % 80.7 % 2.9%	9-103 9-103 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	114 %	80-120	
p-Terphenyl-d14	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00 20.00	87.4 % 81.7 % 95.3 % 86.4 % 9.8%	25-123 25-123 25-123 25-123 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	10.00	99.0 %	80-120	
Pyrene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 88.0 % 105 % 92.9 % 11.9%	<1 15-138 31-121 31-121 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	99.6 %	80-120	
Pyridine	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 23.6 % 9.5 % 9.1 % 0.075	<10 5-72 0-64 0-64 ≤10	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	105 %	80-120	
2,4'-DDD	625P	09/30/16:214450SG	CCV	ug/L	100.0	108 %	70-130	
2,4'-DDE	625P	09/30/16:214450SG	CCV	ug/L	100.0	113 %	70-130	
2,4'-DDT	625P	09/30/16:214450SG	CCV	ug/L	100.0	90.4 %	70-130	
Aldrin	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	0.1000 0.1000 0.1000 0.1000 0.1000	ND 95.8 % 282 % 91.1 % 102%	<0.005 0-131 4-108 4-108 ≤25	436 410
	625P	09/30/16:214450SG	CCV	ug/L	100.0	99.6 %	70-130	
Alpha BHC	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	0.1000 0.1000 0.1000 0.1000 0.1000	ND 85.4 % 88.3 % 84.2 % 4.8%	<0.005 9-125 17-100 17-100 ≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	129 %	70-130	
alpha-Chlordane	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	0.1000 0.1000 0.1000 0.1000 0.1000	ND 81.4 % 99.6 % 91.4 % 8.6%	<0.005 14-126 0-135 0-135 ≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	121 %	70-130	
Beta BHC	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	0.1000 0.1000 0.1000 0.1000 0.1000	ND 94.0 % 74.0 % 83.9 % 12.5%	<0.005 13-125 16-123 16-123 ≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	101 %	70-130	
cis_Nonachlor	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	0.1000 0.1000 0.1000 0.1000 0.1000	ND 88.4 % 98.9 % 98.0 % 0.9%	<0.005 10-138 0-120 0-120 ≤25	

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Organic								
cis_Nonachlor	625P	09/30/16:214450SG	CCV	ug/L	100.0	112 %	70-130	
Delta BHC	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	87.5 %	0-122	
			BS	ug/L	0.1000	70.3 %	0-112	
			BSD	ug/L	0.1000	77.7 %	0-112	
			BSRPD	ug/L	0.1000	10%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	98.9 %	70-130	
Dieldrin	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	91.7 %	19-120	
			BS	ug/L	0.1000	82.8 %	0-121	
			BSD	ug/L	0.1000	98.4 %	0-121	
			BSRPD	ug/L	0.1000	17.2%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	114 %	70-130	
Endosulfan I	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	89.5 %	18-129	
			BS	ug/L	0.1000	84.1 %	0-154	
			BSD	ug/L	0.1000	84.4 %	0-154	
			BSRPD	ug/L	0.1000	0.4%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	103 %	70-130	
Endosulfan II	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	96.7 %	22-128	
			BS	ug/L	0.1000	94.7 %	0-149	
			BSD	ug/L	0.1000	106 %	0-149	
			BSRPD	ug/L	0.1000	11.7%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	103 %	70-130	
Endosulfan Sulfate	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	76.9 %	32-106	
			BS	ug/L	0.1000	76.1 %	4-140	
			BSD	ug/L	0.1000	87.9 %	4-140	
			BSRPD	ug/L	0.1000	14.4%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	91.7 %	70-130	
Endrin	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.3 %	0-130	
			BS	ug/L	0.1000	42.5 %	7-101	
			BSD	ug/L	0.1000	69.9 %	7-101	
			BSRPD	ug/L	0.1000	48.8%	≤25	410
	625P	09/30/16:214450SG	CCV	ug/L	100.0	87.5 %	70-130	
Endrin Aldehyde	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	122 %	16-135	
			BS	ug/L	0.1000	100 %	0-148	
			BSD	ug/L	0.1000	99.6 %	0-148	
			BSRPD	ug/L	0.1000	0.4%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	117 %	70-130	
Endrin Ketone	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	69.4 %	25-121	
			BS	ug/L	0.1000	83.0 %	21-111	
			BSD	ug/L	0.1000	83.9 %	21-111	
			BSRPD	ug/L	0.1000	1.1%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	121 %	70-130	
gamma-Chlordane	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	94.7 %	20-123	
			BS	ug/L	0.1000	103 %	1-116	
			BSD	ug/L	0.1000	104 %	1-116	
			BSRPD	ug/L	0.1000	0.6%	≤25	

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Organic								
gamma-Chlordane	625P	09/30/16:214450SG	CCV	ug/L	100.0	130 %	70-130	
Heptachlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.6 %	19-119	
			BS	ug/L	0.1000	70.2 %	13-100	
			BSD	ug/L	0.1000	73.1 %	13-100	
			BSRPD	ug/L	0.1000	4.0%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	114 %	70-130	
Heptachlor Epoxide	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	93.4 %	18-131	
			BS	ug/L	0.1000	111 %	0-127	
			BSD	ug/L	0.1000	98.9 %	0-127	
			BSRPD	ug/L	0.1000	11.5%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	122 %	70-130	
Lindane	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	106 %	22-181	
			BS	ug/L	0.1000	95.0 %	0-234	
			BSD	ug/L	0.1000	104 %	0-234	
			BSRPD	ug/L	0.1000	8.6%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	119 %	70-130	
Methoxychlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	91.5 %	26-113	
			BS	ug/L	0.1000	87.4 %	2-107	
			BSD	ug/L	0.1000	94.3 %	2-107	
			BSRPD	ug/L	0.1000	7.5%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	88.6 %	70-130	
o,p - DDD	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	88.9 %	15-136	
			BS	ug/L	0.1000	94.3 %	12-118	
			BSD	ug/L	0.1000	99.1 %	12-118	
			BSRPD	ug/L	0.1000	5.0%	≤25	
o,p - DDE	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	90.1 %	23-124	
			BS	ug/L	0.1000	82.5 %	0-108	
			BSD	ug/L	0.1000	85.8 %	0-108	
			BSRPD	ug/L	0.1000	4.0%	≤25	
o,p - DDT	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	74.2 %	27-131	
			BS	ug/L	0.1000	78.3 %	0-124	
			BSD	ug/L	0.1000	73.9 %	0-124	
			BSRPD	ug/L	0.1000	5.8%	≤25	
p,p - DDD	625P	09/30/16:214450SG	CCV	ug/L	100.0	93.8 %	70-130	
p,p - DDE	625P	09/30/16:214450SG	CCV	ug/L	100.0	86.8 %	70-130	
p,p - DDT	625P	09/30/16:214450SG	CCV	ug/L	100.0	105 %	70-130	
p,p`-DDD	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	0-177	
			BS	ug/L	0.1000	80.8 %	17-107	
			BSD	ug/L	0.1000	85.1 %	17-107	
			BSRPD	ug/L	0.1000	5.2%	≤25	
p,p`-DDE	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	72.5 %	23-126	
			BS	ug/L	0.1000	76.4 %	2-107	
			BSD	ug/L	0.1000	77.1 %	2-107	
			BSRPD	ug/L	0.1000	0.9%	≤25	
p,p`-DDT	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic p,p'-DDT	625P	09/27/16:211614JOM	LCS	ug/L	0.1000	78.9 %	32-108	
			BS	ug/L	0.1000	89.9 %	0-128	
			BSD	ug/L	0.1000	90.0 %	0-128	
			BSRPD	ug/L	0.1000	0.2%	≤25	
Tetrachloro-m-xylene	625P	09/27/16:211614JOM	Blank	ug/L	0.1000	63.5 %	26-90	
			LCS	ug/L	0.1000	66.5 %	26-90	
			BS	ug/L	0.1000	62.5 %	26-90	
			BSD	ug/L	0.1000	65.9 %	26-90	
			BSRPD	ug/L	0.1000	5.3%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	104 %	70-130	
trans-Nonachlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.0 %	9-139	
			BS	ug/L	0.1000	82.5 %	0-120	
			BSD	ug/L	0.1000	102 %	0-120	
			BSRPD	ug/L	0.1000	21.5%	≤25	
	625P	09/30/16:214450SG	CCV	ug/L	100.0	120 %	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 analyte. 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. 320 : LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery. 360 : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. 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.								

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Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	(SP 1611134-001)	MS	mg/L	4.000	99.9 %	75-125	
			MSD	mg/L	4.000	101 %	75-125	
			MSRPD	mg/L	800.0	1.1%	≤20.0	
	200.7	09/21/16:213697AC	CCV	ppm	5.000	96.5 %	90-110	
			CCB	ppm		0.023	0.1	
			CCV	ppm	5.000	95.6 %	90-110	
			CCB	ppm		0.019	0.1	
	200.7	09/27/16:211611amb (SP 1610963-001)	Blank	mg/L		ND	<0.10	
			LCS	mg/L	4.000	87.6 %	85-115	
			MS	mg/L	4.000	101 %	75-125	
			MSD	mg/L	4.000	105 %	75-125	
			MSRPD	mg/L	0.8000	3.4%	≤20.0	
	200.7	09/27/16:214062AC	CCV	ppm	5.000	99.3 %	90-110	
			CCB	ppm		0.050	0.1	
			CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.055	0.1	
Calcium	200.7	(SP 1611134-001)	MS	mg/L	12.00	69.7 %	<¼	
			MSD	mg/L	12.00	73.8 %	<¼	
			MSRPD	mg/L	800.0	0.3%	≤20.0	
	200.7	09/21/16:213697AC	CCV	ppm	25.00	94.4 %	90-110	
			CCB	ppm		-0.0008	1	
			CCV	ppm	25.00	94.3 %	90-110	
			CCB	ppm		-0.006	1	
	200.7	09/27/16:211611amb (SP 1610963-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	90.8 %	85-115	
			MS	mg/L	12.00	57.4 %	<¼	
			MSD	mg/L	12.00	82.0 %	75-125	
			MSRPD	mg/L	0.8000	3.3%	≤20.0	
	200.7	09/27/16:214062AC	CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		0.002	1	
			CCV	ppm	25.00	106 %	90-110	
			CCB	ppm		0.0002	1	
Copper	200.7	(SP 1611134-001)	MS	ug/L	800.0	102 %	75-125	
			MSD	ug/L	800.0	103 %	75-125	
			MSRPD	ug/L	800.0	0.7%	≤20.0	
	200.7	09/21/16:213697AC	CCV	ppm	1.000	96.5 %	90-110	
			CCB	ppm		-0.0005	0.01	
			CCV	ppm	1.000	96.4 %	90-110	
			CCB	ppm		-0.0003	0.01	
	200.7	09/27/16:211611amb (SP 1610963-001)	Blank	mg/L		ND	<0.01	
			LCS	mg/L	0.8000	85.6 %	85-115	
			MS	mg/L	0.8000	100 %	75-125	
			MSD	mg/L	0.8000	103 %	75-125	
			MSRPD	mg/L	0.8000	3.0%	≤20.0	
	200.7	09/27/16:214062AC	CCV	ppm	1.000	97.4 %	90-110	
			CCB	ppm		-0.0005	0.01	
			CCV	ppm	1.000	100 %	90-110	
			CCB	ppm		-0.0006	0.01	
Iron	200.7	(SP 1611134-001)	MS	ug/L	4000	99.3 %	75-125	
			MSD	ug/L	4000	98.9 %	75-125	
			MSRPD	ug/L	800.0	0.4%	≤20.0	
	200.7	09/21/16:213697AC	CCV	ppm	5.000	98.2 %	90-110	
			CCB	ppm		0.0017	0.03	
			CCV	ppm	5.000	100 %	90-110	
			CCB	ppm		0.0025	0.03	

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Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Iron	200.7	09/27/16:211611amb (SP 1610963-001)	Blank	mg/L		ND	<0.03	
			LCS	mg/L	4.000	90.6 %	85-115	
			MS	mg/L	4.000	88.9 %	75-125	
			MSD	mg/L	4.000	98.0 %	75-125	
	200.7	09/27/16:214062AC	MSRPD	mg/L	0.8000	3.2%	≤20	
			CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.0085	0.03	
			CCV	ppm	5.000	105 %	90-110	
Magnesium	200.7	(SP 1611134-001)	CCB	ppm		0.0100	0.03	
			MS	mg/L	12.00	81.8 %	75-125	
			MSD	mg/L	12.00	81.0 %	75-125	
			MSRPD	mg/L	800.0	0.08%	≤20.0	
	200.7	09/21/16:213697AC	CCV	ppm	25.00	94.8 %	90-110	
			CCB	ppm		0.001	1	
			CCV	ppm	25.00	94.7 %	90-110	
			CCB	ppm		-0.0003	1	
	200.7	09/27/16:211611amb (SP 1610963-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	87.8 %	85-115	
			MS	mg/L	12.00	80.2 %	75-125	
			MSD	mg/L	12.00	94.9 %	75-125	
Manganese	200.7	09/27/16:214062AC	MSRPD	mg/L	0.8000	3.2%	≤20	
			CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.002	1	
			CCV	ppm	25.00	103 %	90-110	
	200.7	(SP 1611134-001)	CCB	ppm		0.005	1	
			MS	ug/L	800.0	103 %	75-125	
			MSD	ug/L	800.0	103 %	75-125	
			MSRPD	ug/L	800.0	0.4%	≤20.0	
	200.7	09/21/16:213697AC	CCV	ppm	1.000	98.3 %	90-110	
			CCB	ppm		0.00004	0.01	
			CCV	ppm	1.000	98.4 %	90-110	
			CCB	ppm		0.00004	0.01	
	200.7	09/27/16:211611amb (SP 1610963-001)	Blank	mg/L		ND	<0.01	
			LCS	mg/L	0.8000	90.2 %	85-115	
			MS	mg/L	0.8000	102 %	75-125	
			MSD	mg/L	0.8000	107 %	75-125	
Potassium	200.7	09/27/16:214062AC	MSRPD	mg/L	0.8000	3.6%	≤20.0	
			CCV	ppm	1.000	103 %	90-110	
			CCB	ppm		0.00005	0.01	
			CCV	ppm	1.000	106 %	90-110	
	200.7	(SP 1611134-001)	CCB	ppm		0.00005	0.01	
			MS	mg/L	12.00	112 %	75-125	
			MSD	mg/L	12.00	112 %	75-125	
			MSRPD	mg/L	800.0	0.02%	≤20.0	
	200.7	09/21/16:213697AC	CCV	ppm	25.00	95.8 %	90-110	
			CCB	ppm		-0.11	1	
			CCV	ppm	25.00	95.6 %	90-110	
			CCB	ppm		-0.12	1	
	200.7	09/27/16:211611amb (SP 1610963-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	87.3 %	85-115	
			MS	mg/L	12.00	103 %	75-125	
			MSD	mg/L	12.00	107 %	75-125	
	200.7	09/27/16:214062AC	MSRPD	mg/L	0.8000	3.1%	≤20.0	
			CCV	ppm	25.00	97.8 %	90-110	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Potassium	200.7	09/27/16:214062AC	CCB CCV CCB	ppm ppm ppm	25.00	0.37 101 % 0.32	1 90-110 1	
Sodium	200.7	(SP 1611134-001)	MS MSD MSRPD	mg/L mg/L mg/L	12.00 12.00 800.0	91.9 % 90.1 % 0.2%	75-125 75-125 ≤20.0	
	200.7	09/21/16:213697AC	CCV CCB CCV CCB	ppm ppm ppm ppm	25.00 25.00	97.2 % 0.34 97.5 % 0.30	90-110 1 90-110 1	
	200.7	09/27/16:211611amb (SP 1610963-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 0.8000	ND 87.6 % 57.3 % 85.8 % 3.4%	<1 85-115 <¼ 75-125 ≤20.0	
	200.7	09/27/16:214062AC	CCV CCB CCV CCB	ppm ppm ppm ppm	25.00 25.00	98.8 % 0.19 104 % 0.17	90-110 1 90-110 1	
	200.7	10/04/16:211949amb (CH 1678085-004)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 0.8000	ND 93.2 % -471 % -409 % 2.0%	<1 85-115 <¼ <¼ ≤20.0	
	200.7	10/06/16:214618AC	CCV CCB CCV CCB	ppm ppm ppm ppm	25.00 25.00	97.6 % 0.24 98.9 % 0.19	90-110 1 90-110 1	
	200.7	(SP 1611134-001)	MS MSD MSRPD	ug/L ug/L ug/L	800.0 800.0 800.0	98.9 % 99.7 % 0.8%	75-125 75-125 ≤20.0	
	200.7	09/21/16:213697AC	CCV CCB CCV CCB	ppm ppm ppm ppm	1.000 1.000	96.4 % -0.0003 96.2 % -0.0002	90-110 0.02 90-110 0.02	
	200.7	09/27/16:211611amb (SP 1610963-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	0.8000 0.8000 0.8000 0.8000 0.8000	ND 91.8 % 104 % 108 % 3.3%	<0.02 85-115 75-125 75-125 ≤20	
	200.7	09/27/16:214062AC	CCV CCB CCV CCB	ppm ppm ppm ppm	1.000 1.000	106 % 0.0011 108 % 0.0009	90-110 0.02 90-110 0.02	
	200.8	10/05/16:214575AC	ICV ICB CCV CCB	ppb ppb ppb ppb	120.0 120.0	101 % 0.4 98.5 % 0.2	90-110 10 90-110 10	
	200.8	10/14/16:215037AC	ICV ICB CCV CCB	ppb ppb ppb ppb	120.0 120.0	95.9 % -0.02 94.4 % 0.05	90-110 10 90-110 10	
Antimony	200.8	10/04/16:214508AC	ICV ICB	ppb ppb	120.0	95.6 % 0.08	90-110 1	

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Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Antimony	200.8	10/04/16:214508AC	CCV	ppb	120.0	98.4 %	90-110	
			CCB	ppb		0.33	1	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	96.9 %	90-110	
			ICB	ppb		0.90	1	
Arsenic			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.33	1	
	200.8	10/04/16:214508AC	ICV	ppb	120.0	101 %	90-110	
			ICB	ppb		0.02	2	
Barium			CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.15	2	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	103 %	90-110	
			ICB	ppb		0.01	2	
Beryllium			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.14	2	
	200.8	10/04/16:214508AC	ICV	ppb	120.0	104 %	90-110	
			ICB	ppb		0.12	1	
Cadmium			CCV	ppb	120.0	107 %	90-110	
			CCB	ppb		0.19	1	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	104 %	90-110	
			ICB	ppb		-0.01	1	
Chromium			CCV	ppb	120.0	106 %	90-110	
			CCB	ppb		0.1	1	
	200.8	10/04/16:214508AC	ICV	ppb	120.0	91.2 %	90-110	
			ICB	ppb		0.029	0.2	
Copper			CCV	ppb	120.0	95.1 %	90-110	
			CCB	ppb		0.069	0.2	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	91.7 %	90-110	
			ICB	ppb		0.01	0.2	
Lead			CCV	ppb	120.0	90.6 %	90-110	
			CCB	ppb		0.108	0.2	
	200.8	10/04/16:214508AC	ICV	ppb	120.0	101 %	90-110	
			ICB	ppb		0.051	0.2	
Mercury			CCV	ppb	120.0	106 %	90-110	
			CCB	ppb		0.107	0.2	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	101 %	90-110	
			ICB	ppb		0.002	0.2	
Nickel			CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		0.134	0.2	
	200.8	10/04/16:214508AC	ICV	ppb	120.0	98.3 %	90-110	
			ICB	ppb		0.09	1	
Silver			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.21	1	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	97.8 %	90-110	
			ICB	ppb		-0.07	1	
Vanadium			CCV	ppb	120.0	99.4 %	90-110	
			CCB	ppb		0.1	1	
	200.8	10/04/16:214508AC	ICV	ppb	120.0	100 %	90-110	
			ICB	ppb		0.068	0.5	
Zinc			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		-0.028	0.5	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	101 %	90-110	
			ICB	ppb		-0.007	0.5	
Zinc			CCV	ppb	120.0	99.1 %	90-110	
			CCB	ppb		0.111	0.5	

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Rincon Consultants, Inc.

Lab ID : SP 1611120
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Lead	200.8	10/04/16:214508AC	ICV	ppb	120.0	100 %	90-110	
			ICB	ppb		0.041	0.5	
			CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.090	0.5	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	100 %	90-110	
			ICB	ppb		0.008	0.5	
CCV			ppb	120.0	100 %	90-110		
CCB			ppb		0.109	0.5		
Nickel	200.8	10/04/16:214508AC	ICV	ppb	120.0	99.4 %	90-110	
			ICB	ppb		0.03	1	
			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.07	1	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	101 %	90-110	
			ICB	ppb		-0.03	1	
CCV			ppb	120.0	98.8 %	90-110		
CCB			ppb		0.09	1		
Selenium	200.8	10/04/16:214508AC	ICV	ppb	120.0	102 %	90-110	
			ICB	ppb		-0.07	1	
			CCV	ppb	120.0	110 %	90-110	
			CCB	ppb		0.26	1	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	105 %	90-110	
			ICB	ppb		0.08	1	
CCV			ppb	120.0	103 %	90-110		
CCB			ppb		0.19	1		
Silver	200.8	10/04/16:214508AC	ICV	ppb	120.0	99.9 %	90-110	
			ICB	ppb		0.0270	0.25	
			CCV	ppb	120.0	103 %	90-110	
			CCB	ppb		0.0970	0.25	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	100 %	90-110	
			ICB	ppb		0.0070	0.25	
CCV			ppb	120.0	101 %	90-110		
CCB			ppb		0.1250	0.25		
Thallium	200.8	10/04/16:214508AC	ICV	ppb	120.0	98.2 %	90-110	
			ICB	ppb		0.054	0.2	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.114	0.2	
	200.8	10/14/16:215037AC	ICV	ppb	120.0	97.9 %	90-110	
			ICB	ppb		0.013	0.2	
CCV			ppb	120.0	98.1 %	90-110		
CCB			ppb		0.159	0.2		
Mercury	245.1	09/24/16:211519ac (CC 1683194-001)	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2000	99.0 %	85-115	
			MS	ug/L	0.2000	82.7 %	75-125	
			MSD	ug/L	0.2000	86.3 %	75-125	
	MSRPD	ug/L	0.2000	4.1%	≤20			
	245.1	09/26/16:213926AC	CCV	ppt	200.0	104 %	90-110	
			CCB	ppt		-7.3	20	
			CCV	ppt	200.0	102 %	90-110	
CCB			ppt		-10	20		
CCV	ppt	200.0	102 %	90-110				
CCB	ppt		-8.5	20				
Aluminum	3010	10/04/16:211956amb	Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	102 %	85-115	
			MS	ug/L	40.00	111 %	75-125	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Aluminum	3010	(SP 1611294-006)	MSD	ug/L	40.00	98.9 %	75-125	
			MSRPD	ug/L	40.00	9.3%	≤20.0	
			PDS	ug/L	40.00	122 %	75-125	
	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	97.8 %	85-115	
			MS	ug/L	40.00	98.5 %	75-125	
			MSD	ug/L	40.00	98.6 %	75-125	
			MSRPD	ug/L	40.00	0.06%	≤20.0	
			PDS	ug/L	40.00	101 %	75-125	
Antimony	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	102 %	85-115	
			MS	ug/L	40.00	106 %	75-125	
			MSD	ug/L	40.00	106 %	75-125	
			MSRPD	ug/L	40.00	0.2%	≤20.0	
			PDS	ug/L	40.00	113 %	75-125	
	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	96.5 %	85-115	
			MS	ug/L	40.00	103 %	75-125	
			MSD	ug/L	40.00	104 %	75-125	
			MSRPD	ug/L	40.00	0.8%	≤20.0	
			PDS	ug/L	40.00	105 %	75-125	
Arsenic	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	100 %	85-115	
			MS	ug/L	40.00	106 %	75-125	
			MSD	ug/L	40.00	102 %	75-125	
			MSRPD	ug/L	40.00	3.4%	≤20	
			PDS	ug/L	40.00	108 %	75-125	
	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	103 %	75-125	
			MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	1.5%	≤20	
			PDS	ug/L	40.00	102 %	75-125	
Barium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	111 %	85-115	
			MS	ug/L	40.00	118 %	75-125	
			MSD	ug/L	40.00	135 %	75-125	435
			MSRPD	ug/L	40.00	7.0%	≤20.0	
			PDS	ug/L	40.00	136 %	75-125	430
	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	109 %	85-115	
			MS	ug/L	40.00	114 %	75-125	
			MSD	ug/L	40.00	113 %	75-125	
			MSRPD	ug/L	40.00	0.4%	≤20.0	
			PDS	ug/L	40.00	116 %	75-125	
Beryllium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	91.2 %	85-115	
			MS	ug/L	40.00	91.4 %	75-125	
			MSD	ug/L	40.00	88.6 %	75-125	
			MSRPD	ug/L	40.00	3.1%	≤20.0	
			PDS	ug/L	40.00	93.6 %	75-125	
	3010	10/13/16:212354amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	94.6 %	85-115	
			MS	ug/L	40.00	89.3 %	75-125	

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Metals								
Beryllium	3010	(CC 1683450-001)	MSD MSRPD PDS	ug/L ug/L ug/L	40.00 40.00 40.00	87.5 % 2.1% 87.6 %	75-125 ≤20.0 75-125	
Cadmium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	103 %	85-115	
			MS	ug/L	40.00	107 %	75-125	
			MSD	ug/L	40.00	107 %	75-125	
			MSRPD	ug/L	40.00	0.4%	≤20	
			PDS	ug/L	40.00	113 %	75-125	
Cadmium	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	105 %	85-115	
			MS	ug/L	40.00	102 %	75-125	
			MSD	ug/L	40.00	102 %	75-125	
			MSRPD	ug/L	40.00	0.9%	≤20	
			PDS	ug/L	40.00	104 %	75-125	
Chromium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	104 %	85-115	
			MS	ug/L	40.00	102 %	75-125	
			MSD	ug/L	40.00	99.1 %	75-125	
			MSRPD	ug/L	40.00	3.1%	≤20	
			PDS	ug/L	40.00	106 %	75-125	
Chromium	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	101 %	85-115	
			MS	ug/L	40.00	102 %	75-125	
			MSD	ug/L	40.00	103 %	75-125	
			MSRPD	ug/L	40.00	0.6%	≤20	
			PDS	ug/L	40.00	105 %	75-125	
Copper	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	105 %	85-115	
			MS	ug/L	40.00	101 %	75-125	
			MSD	ug/L	40.00	97.0 %	75-125	
			MSRPD	ug/L	40.00	3.8%	≤20.0	
			PDS	ug/L	40.00	103 %	75-125	
Copper	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	105 %	85-115	
			MS	ug/L	40.00	99.5 %	75-125	
			MSD	ug/L	40.00	98.7 %	75-125	
			MSRPD	ug/L	40.00	0.6%	≤20.0	
			PDS	ug/L	40.00	99.1 %	75-125	
Lead	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	107 %	85-115	
			MS	ug/L	40.00	108 %	75-125	
			MSD	ug/L	40.00	108 %	75-125	
			MSRPD	ug/L	40.00	0.6%	≤20.0	
			PDS	ug/L	40.00	115 %	75-125	
Lead	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	102 %	85-115	
			MS	ug/L	40.00	108 %	75-125	
			MSD	ug/L	40.00	108 %	75-125	
			MSRPD	ug/L	40.00	0.5%	≤20.0	
			PDS	ug/L	40.00	108 %	75-125	
Nickel	3010	10/04/16:211956amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	105 %	85-115	
			MS	ug/L	40.00	101 %	75-125	

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Metals Nickel	3010	(SP 1611294-006)	MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	0.7%	≤20	
			PDS	ug/L	40.00	105 %	75-125	
	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	104 %	85-115	
			MS	ug/L	40.00	104 %	75-125	
			MSD	ug/L	40.00	102 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20	
			PDS	ug/L	40.00	103 %	75-125	
Selenium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	96.9 %	80-120	
			MS	ug/L	40.00	103 %	75-125	
			MSD	ug/L	40.00	102 %	75-125	
			MSRPD	ug/L	40.00	0.4%	≤20	
			PDS	ug/L	40.00	106 %	75-125	
	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	112 %	80-120	
			MS	ug/L	40.00	97.7 %	75-125	
			MSD	ug/L	40.00	96.8 %	75-125	
			MSRPD	ug/L	40.00	1.0%	≤20	
			PDS	ug/L	40.00	95.9 %	75-125	
Silver	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.25	
			LCS	ug/L	40.00	105 %	85-115	
			MS	ug/L	40.00	103 %	75-125	
			MSD	ug/L	40.00	102 %	75-125	
			MSRPD	ug/L	40.00	1.4%	≤20.0	
			PDS	ug/L	40.00	109 %	75-125	
	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<0.25	
			LCS	ug/L	40.00	103 %	85-115	
			MS	ug/L	40.00	98.7 %	75-125	
			MSD	ug/L	40.00	99.0 %	75-125	
			MSRPD	ug/L	40.00	0.3%	≤20.0	
			PDS	ug/L	40.00	98.7 %	75-125	
Thallium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	104 %	85-115	
			MS	ug/L	40.00	106 %	75-125	
			MSD	ug/L	40.00	105 %	75-125	
			MSRPD	ug/L	40.00	0.4%	≤20.0	
			PDS	ug/L	40.00	113 %	75-125	
	3010	10/13/16:212354amb (CC 1683450-001)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	100 %	85-115	
			MS	ug/L	40.00	104 %	75-125	
			MSD	ug/L	40.00	104 %	75-125	
			MSRPD	ug/L	40.00	0.5%	≤20.0	
			PDS	ug/L	40.00	104 %	75-125	
Wet Chem Oil and Grease	1664	09/29/16:211764AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	89.6 %	78-114	
			BS	mg/L	44.89	84.4 %	78-114	
			BSD	mg/L	44.89	82.4 %	78-114	
			BSRPD	mg/L	44.89	2.4%	≤18	
	1664	10/04/16:211831AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	94.4 %	78-114	
			BS	mg/L	44.89	88.6 %	78-114	

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Wet Chem								
Oil and Grease	1664	10/04/16:211831AMM	BSD BSRPD	mg/L mg/L	44.89 44.89	92.2 % 4.0%	78-114 ≤18	
Color	2120B	(SP 1611146-001)	Dup	units		0.0	5	
	2120B	09/21/16:214081jmg	CCB CCV	units units	 10.00	0.00 100 %	5.0 90-110	
Turbidity	2130B	(CC 1683299-001)	Dup	NTU		3.0%	20	
	2130B	09/21/16:213778jba	CCV	NTU	10.00	105 %	90-110	
			CCB	NTU		0.091	0.1	
			CCV CCB	NTU NTU	10.00	105 % 0.083	90-110 0.1	
Odor	2150B	(SP 1611146-001)	Dup	TON		0.0	1	
Chromium VI	218.6	09/23/16:211616mca	Blank	ug/L		ND	<0.1	
		(SP 1611129-001)	LCS	ug/L	2.000	98.3 %	90-110	
			MS	ug/L	2.000	97.2 %	75-125	
			MSD	ug/L	2.000	92.2 %	75-125	
		(SP 1611142-001)	MSRPD	ug/L	2.000	5.1%	≤20	
			MS	ug/L	2.000	97.2 %	75-125	
			MSD	ug/L	2.000	100 %	75-125	
	218.6	09/23/16:214002MCA	MSRPD	ug/L	2.000	2.4%	≤20	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	101 %	95-105	
Alkalinity (as CaCO3)	2320B	(CH 1678232-001)	CCB	ppb		0.000	0.1	
		09/21/16:213727AMB	CCV	ppb	5.000	101 %	95-105	
			CCV	ppb	5.000	101 %	95-105	
Bicarbonate	2320B	(CH 1678232-001)	Dup	mg/L		0.4%	10	
Carbonate	2320B	(CH 1678232-001)	Dup	mg/L	234.9 234.9	99.8 % 101 %	90-110 90-110	
Hydroxide	2320B	(CH 1678232-001)	Dup	mg/L		0.0	10	
Conductivity	2510B	09/21/16:213733JMG	ICB	umhos/cm		0.06	1	
			ICV	umhos/cm	1000	101 %	95-105	
			CCV	umhos/cm	1000	101 %	95-105	
E. C.	2510B	09/21/16:211380jmg	Blank	umhos/cm		ND	<1	
		(CC 1683259-001)	Dup	umhos/cm		0.0%	5	
Total Dissolved Solids (TFR)	2540CE	09/21/16:211395CTL	Blank	mg/L		7.1	20	
		(STK1651594-001)	LCS	mg/L	996.9	101 %	90-110	
			Dup	mg/L		1.2%	5	
	2540CE	09/22/16:211444CTL	Blank	mg/L		ND	<20	
		(SP 1611128-011)	LCS Dup	mg/L mg/L	996.9	96.7 % 0.0%	90-110 5	
Solids, Suspended	2540D	09/26/16:211562JBA (VI 1644016-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	50.10	86.8 %	38-138	
			LCS	mg/L	50.10	88.8 %	38-138	
			Dup	mg/L		2.7%	28.7	
Chloride	300.0	09/20/16:211412MCA	Blank	mg/L		ND	<1	
		(STK1651774-001)	LCS	mg/L	25.00	93.9 %	90-110	
			MS	mg/L	500.0	101 %	85-121	
			MSD	mg/L	500.0	100 %	85-121	
		(STK1651776-001)	MSRPD	mg/L	100.0	0.5%	≤19	
			MS	mg/L	500.0	100 %	85-121	
			MSD	mg/L	500.0	99.4 %	85-121	
	300.0	09/20/16:213760mca	MSRPD	mg/L	100.0	0.7%	≤19	
			CCB	ppm		0.89	1	
			CCV	ppm	25.00	94.7 %	90-110	

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Wet Chem								
Chloride	300.0	09/20/16:213760mca	CCB CCV	ppm ppm	25.00	0.06 94.8 %	1 90-110	
Fluoride	300.0	09/20/16:211412MCA (STK1651774-001) (STK1651776-001)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	2.500 50.00 50.00 100.0 50.00 50.00 100.0	ND 100 % 99.5 % 99.1 % 0.3% 99.4 % 98.9 % 0.5%	<0.1 90-110 87-120 87-120 ≤16 87-120 87-120 ≤16	
	300.0	09/20/16:213760mca	CCB CCV CCB CCV	ppm ppm ppm ppm	2.500 2.500 2.500	0.000 99.6 % 0.000 101 %	0.1 90-110 0.1 90-110	
Nitrate	300.0	09/20/16:211412MCA (STK1651774-001) (STK1651776-001)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	20.00 400.0 400.0 100.0 400.0 400.0 100.0	ND 95.4 % 99.6 % 99.0 % 0.6% 99.3 % 98.5 % 0.8%	<0.5 90-110 85-119 85-119 ≤19 85-119 85-119 ≤19	
	300.0	09/20/16:213760mca	CCB CCV CCB CCV	ppm ppm ppm ppm	20.00 20.00 20.00	0.000 96.3 % 0.000 96.3 %	0.5 90-110 0.5 90-110	
Nitrite	300.0	09/20/16:211412MCA (STK1651774-001) (STK1651776-001)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	15.00 300.0 300.0 100.0 300.0 300.0 300.0 100.0	ND 98.2 % 102 % 101 % 0.3% 101 % 100 % 0.6%	<0.5 90-110 74-126 74-126 ≤20 74-126 74-126 ≤20	
	300.0	09/20/16:213760mca	CCB CCV CCB CCV	ppm ppm ppm ppm	15.00 15.00 15.00	0.000 97.7 % 0.000 97.8 %	0.5 90-110 0.5 90-110	
Sulfate	300.0	09/20/16:211412MCA (STK1651774-001) (STK1651776-001)	Blank LCS MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	50.00 1000 1000 100.0 1000 1000 1000 100.0	ND 95.0 % 101 % 100 % 0.5% 101 % 100 % 0.7%	<0.5 90-110 82-124 82-124 ≤23 82-124 82-124 ≤23	
	300.0	09/20/16:213760mca	CCB CCV CCB CCV	ppm ppm ppm ppm	50.00 50.00 50.00	0.084 95.6 % 0.086 95.6 %	0.5 90-110 0.5 90-110	
Perchlorate	314.0	09/23/16:211486SBL (SP 1610959-001)	Blank LCS MS MSD	ug/L ug/L ug/L ug/L	25.00 25.00 25.00	ND 87.8 % 88.2 % 88.2 %	<2 85-115 80-120 80-120	

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Wet Chem Perchlorate	314.0	09/23/16:211486SBL	MSRPD	ug/L	25.00	0.02%	≤15	
	314.0	09/23/16:213927SBL	CCB	ppb		0.00	1.0	
			CCV	ppb	10.00	88.5 %	85-115	
			CCB	ppb		0.00	1.0	
			CCV	ppb	10.00	91.4 %	85-115	
Nitrogen, Total Kjeldahl	351.2	09/21/16:211378jmg (SP 1610416-001)	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	84.1 %	73-124	
			MS	mg/L	12.00	79.7 %	54-136	
			MSD	mg/L	12.00	75.1 %	54-136	
			MSRPD	mg/L	12.00	6.2%	≤27	
	351.2	09/23/16:211470jmg (CC 1683290-003)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	77.5 %	73-124	
			MS	mg/L	12.00	70.5 %	54-136	
			MSD	mg/L	12.00	70.2 %	54-136	
			MSRPD	mg/L	12.00	0.4%	≤27	
	351.2	09/24/16:211513jmg (CC 1683076-001)	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	79.9 %	73-124	
			MS	mg/L	12.00	57.3 %	54-136	
			MSD	mg/L	12.00	53.8 %	54-136	
			MSRPD	mg/L	12.00	6.3%	≤27	
Chlorine	4500CIG	09/22/16:213837SJN	CCV	mg/L	1.012	96.7 %	90-110	
			CCB	mg/L		-0.014	0.1	
			CCV	mg/L	1.012	96.3 %	90-110	
			CCB	mg/L		-0.014	0.1	
Chlorine, Residual	4500CIG	(SP 1611199-002)	Dup	mg/L		0.0081	0.1	
Cyanide	4500CNCE	10/02/16:214313AMM	CCV	mg/L	0.1000	99.2 %	90-110	
			CCB	mg/L		0.00008	0.004	
			CCV	mg/L	0.1000	99.5 %	90-110	
			CCB	mg/L		0.00008	0.004	
Cyanide, Total	4500CNCE	10/01/16:211863AMM (SP 1611120-001)	Blank	mg/L		ND	<0.004	
			LCS	mg/L	0.1000	97.9 %	90-110	
			LCS	mg/L	0.4000	96.7 %	90-110	
			MS	mg/L	0.05000	91.8 %	26-226	
			MSD	mg/L	0.05000	95.6 %	26-226	
			MSRPD	mg/L	0.05000	4.1%	≤36	
pH	4500-H B	(SP 1611224-001)	Dup	units		0.8%	4.80	
	4500HB	09/22/16:213809JMG	CCV	units	8.000	99.8 %	95-105	
			CCV	units	8.000	99.6 %	95-105	
Ammonia Nitrogen	4500NH3G	(STK1651881-001)	MS	mg/L	2.000	87.4 %	70-130	
			MSD	mg/L	2.000	93.6 %	70-130	
			MSRPD	mg/L	2.000	7.0%	≤20	
		(VI 1643927-006)	MS	mg/L	2.000	110 %	70-130	
			MSD	mg/L	2.000	111 %	70-130	
			MSRPD	mg/L	2.000	1.0%	≤20	
	4500NH3G	09/27/16:213992AMB	ICB	mg/L		-0.036	0.2	
			ICV	mg/L	2.000	108 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	103 %	90-110	
			CCB	mg/L		-0.168	0.2	
			CCV	mg/L	2.000	106 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	107 %	90-110	
	4500NH3G	(CC 1683369-001)	MS	mg/L	2.000	114 %	70-130	
			MSD	mg/L	2.000	105 %	70-130	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Ammonia Nitrogen	4500NH3G	09/29/16:211726AMB	MSRPD	mg/L	2.000	6.9%	≤20	
	4500NH3G	09/29/16:214161AMB	CCB	mg/L	2.000	0.093	0.2	
			CCV	mg/L	2.000	109 %	90-110	
			CCB	mg/L	2.000	0.066	0.2	
			CCV	mg/L	2.000	105 %	90-110	
	4500NH3G	(SP 1611479-003)	MS	mg/L	2.000	117 %	70-130	
			MSD	mg/L	2.000	117 %	70-130	
			MSRPD	mg/L	2.000	0.6%	≤20	
4500NH3G	09/30/16:214218AMB	CCB	mg/L	2.000	-0.084	0.2		
		CCV	mg/L	2.000	109 %	90-110		
		CCB	mg/L	2.000	-0.065	0.2		
		CCV	mg/L	2.000	110 %	90-110		
Nitrite as Nitrogen	4500NO2F	(SP 1611158-002)	MS	mg/L	1.270	93.1 %	50-150	
			MSD	mg/L	1.270	94.2 %	50-150	
			MSRPD	mg/L	1.270	1.2%	≤30	
Nitrate + Nitrite as N	4500NO3F	(SP 1611158-002)	MS	mg/L	10.00	105 %	5-285	
			MSD	mg/L	10.00	107 %	5-285	
			MSRPD	mg/L	10.00	1.1%	≤30.4	
	4500NO3F	09/21/16:213764JDD	ICB	mg/L	11.27	0.060	0.1	
			ICV	mg/L	11.27	94.8 %	90-110	
			CCB	mg/L	11.27	0.068	0.1	
4500NO3F	09/21/16:213763JDD	ICB	mg/L	1.270	0.00300	0.012		
		ICV	mg/L	1.270	93.5 %	90-110		
		CCB	mg/L	1.270	0.00200	0.012		
		CCV	mg/L	1.270	93.5 %	90-110		
Phosphorus	4500-P B	09/30/16:211807sjn	Blank	mg/L	ND	<0.1		
			LCS	mg/L	0.5000	97.2 %	90-116	
			MS	mg/L	0.2500	-833 %	<¼	
		(CC 1683311-001)	MSD	mg/L	0.2500	-933 %	<¼	
			MSRPD	mg/L	0.2500	5.4%	≤13.2	
Total Phosphorus	4500PE	09/30/16:214242SJN	CCB	mg/L	0.5000	-0.016	0.1	
			CCV	mg/L	0.5000	90.0 %	90-110	
			CCB	mg/L	0.5000	-0.008	0.1	
			CCV	mg/L	0.5000	93.3 %	90-110	
BOD	5210B	09/21/16:211382kmm	RgBlk	mg/L	0.30	2		
			LCS	mg/L	198.0	101 %	84.6-115	
			LCS	mg/L	198.0	107 %	84.6-115	
		(SP 1611103-001)	Dup	mg/L		4.6%	15.9	
		(SP 1611103-001)	Dup	mg/L		28.2%	15.9	440
	5210B	09/26/16:213941KMM	CCV	mg/L	1.000	94.1 %	80-120	
			CCV	mg/L	1.000	94.7 %	80-120	
MBAS	5540C	09/21/16:213798jba	CCB	mg/L	1.000	-0.0549	0.25	
			CCV	mg/L	1.000	102 %	90-110	
			CCB	mg/L	1.000	-0.0549	0.25	
			CCV	mg/L	1.000	101 %	90-110	
			CCB	mg/L	1.000	-0.0549	0.25	
			CCV	mg/L	1.000	105 %	90-110	
MBAS Extraction	5540C	09/21/16:211431jba	Blank	mg/L	ND	<0.1		
			LCS	mg/L	0.5000	106 %	86-114	
			BS	mg/L	0.5000	102 %	86-114	
			BSD	mg/L	0.5000	102 %	86-114	
			BSRPD	mg/L	0.5000	0.0%	≤5	
Nitrogen, Total Kjeldahl	EPA351.2	09/23/16:213843AMB	CCB	mg/L		-0.106	0.5	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611120
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Nitrogen, Total Kjeldahl	EPA351.2	09/23/16:213843AMB	CCV	mg/L	5.000	107 %	90-110	
			CCB	mg/L		-0.081	0.5	
			CCV	mg/L	5.000	104 %	90-110	
	EPA351.2	09/26/16:211902AMB	CCB	mg/L		-0.059	0.5	
			CCV	mg/L	5.000	102 %	90-110	
			CCB	mg/L		-0.123	0.5	
			CCV	mg/L	5.000	93.7 %	90-110	
			CCB	mg/L		-0.167	0.5	
			CCV	mg/L	5.000	99.4 %	90-110	
			CCB	mg/L		-0.185	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.								
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 analyte. 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								
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.								
440 : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.								

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611120
Customer : 2-25173

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio Alpha	900.0	09/29/16:214416caa	CCV CCB	cpm cpm	8958	46.0 % 0.100	41 - 51 0.18	
	900.0	10/04/16:214475caa	CCV CCB	cpm cpm	8568	42.3 % 0.1600	38 - 47 0.19	
Beta	900.0	09/28/16:214419caa	CCV CCB	cpm cpm	8572	104 % 0.4000	93 - 113 0.49	
	900.0	09/29/16:214416caa	CCV CCB	cpm cpm	8958	99.1 % 0.4200	89 - 108 0.55	
Gross Alpha	900.0	09/27/16:211468ELC (SP 1611109-002)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	107.4 107.4 107.4 107.4	0.80 96.0 % 133 % 116 % 13.6%	3 75-125 60-140 60-140 ≤30	
Gross Beta	900.0	09/27/16:211468ELC (SP 1611109-002)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	74.29 74.29 74.29 107.4	0.05 75.7 % 57.7 % 62.7 % 8.0%	4 75-125 80-130 80-130 ≤30	435 435
Alpha	903.0	09/29/16:214169caa	CCV CCB	cpm cpm	8572	42.3 % 0.100	38 - 47 0.19	
Total Alpha Radium (226)	903.0	09/26/16:211579emv	RgBlk LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	21.58 21.58 21.58 21.58	0.09 97.6 % 53.6 % 69.5 % 25.8%	2 52-107 43-111 43-111 ≤35.5	
Beta	905.0	09/29/16:214239caa	CCV CCB	cpm cpm	8957	99.4 % 0.4800	89 - 109 0.52	
Total Strontium	905.0	09/27/16:211658emv	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	40.57 40.57 40.57 40.57	0.74 66.9 % 96.6 % 90.6 % 6.5%	2 53-133 75-125 75-125 ≤20	
Tritium	906.0	09/26/16:211527caa	Blank LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	1560 1560 1560 1560	-5 112 % 121 % 122 % 0.8%	<300 75-125 75-125 75-125 ≤25	
	906.0	09/26/16:214017caa	CCV CCB	pCi/L pCi/L	30040	108 % 2	90-110 500	
Alpha	908.0	09/28/16:214183caa	CCV CCB	cpm cpm	8572	42.9 % 0.0600	43 - 52 0.12	
Uranium	908.0	09/27/16:211585caa	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	20.97 20.97 20.97 20.97	0.18 65.2 % 94.7 % 93.4 % 1.3%	1 54-105 75-125 75-125 ≤20	
Beta	Ra - 05	10/03/16:214395emv	CCV CCB	cpm cpm	8954	98.4 % 0.4000	89 - 109 0.49	
	Ra - 05	10/03/16:214396caa	CCV CCB	cpm cpm	8954	98.9 % 0.4000	89 - 108 0.55	
Ra 228	Ra - 05	09/27/16:211580emv	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	77.82 77.82 77.82 77.82	-0.04 56.0 % 102 % 110 % 7.2%	3 27-59 75-125 75-125 ≤25	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611120
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 analyte. 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	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

October 13, 2016

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

Subject: Subcontract Analysis for FGL Lab No. SP 1611120

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: 2016-10-13

Enclosure



October 08, 2016

Vista Work Order No. 1601214

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 22, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1611120- (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. 1601214**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.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1601214-01	SMBRP-9	20-Sep-16 08:30	22-Sep-16 10:15	Amber Glass WM Bottle, 1L
1601214-02	MCWP-MW07S	20-Sep-16 11:10	22-Sep-16 10:15	Amber Glass WM Bottle, 1L
1601214-03	LAMW-5S	20-Sep-16 10:00	22-Sep-16 10:15	Amber Glass WM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank						EPA Method 1613B			
Matrix: Aqueous Sample Size: 1.00 L			QC Batch: B6I0157 Date Extracted: 27-Sep-2016 8:58			Lab Sample: B6I0157-BLK1 Date Analyzed : 29-Sep-16 14:53 Column: ZB-5MS Analyst: ANP			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	5.00	1.08		IS 13C-2,3,7,8-TCDD	93.3	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

Sample ID: OPR					EPA Method 1613B			
Matrix: Aqueous		QC Batch: B6I0157			Lab Sample: B6I0157-BS1			
Sample Size: 1.00 L		Date Extracted: 27-Sep-2016 8:58			Date Analyzed: 29-Sep-16 11:14 Column: ZB-5MS Analyst: ANP			
Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard		%R	LCL-UCL
2,3,7,8-TCDD	186	200	93.1	73 - 146	IS	13C-2,3,7,8-TCDD	93.1	25 - 141
					CRS	37Cl-2,3,7,8-TCDD	110	37 - 158

LCL-UCL - Lower control limit - upper control limit

Sample ID: SMBRP-9					EPA Method 1613B			
Client Data Name: FGL Environmental, Inc. Project: SP 1611120- (2-25173) Date Collected: 20-Sep-2016 8:30			Sample Data Matrix: Monitoring Well Sample Size: 0.982 L		Laboratory Data Lab Sample: 1601214-01 Date Received: 22-Sep-2016 10:15 QC Batch: B6I0157 Date Extracted: 27-Sep-2016 9:02 Date Analyzed : 29-Sep-16 17:18 Column: ZB-5MS Analyst: ANP			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	5.09	1.08		IS 13C-2,3,7,8-TCDD	92.0	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	106	42 - 164	
MDL - Method detection limit					LCL-UCL- Lower control limit - upper control limit			
RL - Reporting limit								

Sample ID: MCWP-MW07S					EPA Method 1613B			
Client Data Name: FGL Environmental, Inc. Project: SP 1611120- (2-25173) Date Collected: 20-Sep-2016 11:10			Sample Data Matrix: Monitoring Well Sample Size: 1.01 L		Laboratory Data Lab Sample: 1601214-02 Date Received: 22-Sep-2016 10:15 QC Batch: B6I0157 Date Extracted: 27-Sep-2016 9:02 Date Analyzed : 29-Sep-16 18:06 Column: ZB-5MS Analyst: ANP			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	4.96	1.08		IS 13C-2,3,7,8-TCDD	97.3	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	117	42 - 164	
MDL - Method detection limit					LCL-UCL- Lower control limit - upper control limit			
RL - Reporting limit								

Sample ID: LAMW-5S					EPA Method 1613B			
Client Data Name: FGL Environmental, Inc. Project: SP 1611120- (2-25173) Date Collected: 20-Sep-2016 10:00			Sample Data Matrix: Monitoring Well Sample Size: 0.991 L		Laboratory Data Lab Sample: 1601214-03 Date Received: 22-Sep-2016 10:15 QC Batch: B6I0157 Date Extracted: 27-Sep-2016 9:02 Date Analyzed : 29-Sep-16 18:54 Column: ZB-5MS Analyst: ANP			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	5.04	1.08		IS 13C-2,3,7,8-TCDD	89.7	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	106	42 - 164	
MDL - Method detection limit					LCL-UCL- Lower control limit - upper control limit			
RL - Reporting limit								

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.
*	See Cover Letter
Conc.	Concentration
NA	Not applicable
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
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

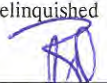
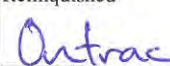
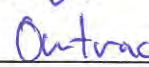
MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, 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

1601214, 1.0

Client: Fruit Growers Laboratory, Inc. Address: FGL Environmental, Inc. 853 Corporation St. Santa Paula, CA 93060-3005 Phone: _____ Fax: _____ Contact Person: _____ Project Name: SP 1611120 - (2-25173) Purchase Order Number: _____				Map Ref.															
Sampler(s) Compositor Setup Date: ____/____/____ Time: ____/____				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)															
Lab Number: _____																			
Samp Num	Location Description	Date Sampled	Time Sampled																
1	SMBRP-9	09/20/16	08:30	G	MW														
3	MCWP-MW07S	09/20/16	11:10	G	MW														
9	LAMW-5S	09/20/16	10:00	G	MW														
Remarks:				Relinquished		Date:	Time:	Relinquished		Date:	Time:	Relinquished		Date:	Time:				
						9/21/16	17:30												
				Received By:		Date:	Time:	Received By:		Date:	Time:	Received By:		Date:	Time:				
										9/22/16	1027								

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1601214 TAT 8/2

Samples Arrival:	Date/Time <u>9/22/16 1015</u>	Initials: <u>MNS</u>	Location: <u>WR-2</u> Shelf/Rack: <u>N/2</u>
Logged In:	Date/Time <u>9/22/16 1551</u>	Initials: <u>SR</u>	Location: <u>WR-2</u> Shelf/Rack: <u>B4</u>
Delivered By:	FedEx	UPS	<u>On Trac</u>
Preservation:	<u>Ice</u>	<u>Blue Ice</u>	Dry Ice
Temp °C: <u>1.3</u> (uncorrected)	Time: <u>1025</u>		Thermometer ID: IR-1
Temp °C: <u>1.0</u> (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 # <u>010011011847467</u>		
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:	$\text{Na}_2\text{S}_2\text{O}_3$		Yes
Shipping Container	<u>Vista</u>	Client	Retain
		Return	Dispose

Comments:

October 13, 2016

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

Subject: Subcontract Analysis for FGL Lab No. SP 1611120

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

- Subcontracted - Asbestos

Please note that this analysis was performed by EMSL Analytical, Inc. dba LA Testing

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre  Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2016-10-13

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: 321620819
Customer ID: FGLE25
Customer PO:
Project ID:

Attn: FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/20/2016
Received: 09/21/2016
Analyzed: 10/05/2016

Proj: SP 1611120 - (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 (mm ²)	Area Analyzed (mm ²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration MFL (million fibers per liter)	Confidence Limits
1 321620819-0001	9/21/2016 04:35 PM	5	1288	0.2620	None Detected	ND	0.98	<0.98	0.00 - 3.60
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									
3 321620819-0002	9/21/2016 04:35 PM	5	1288	0.2620	None Detected	ND	0.98	<0.98	0.00 - 3.60
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									
9 321620819-0003	9/21/2016 04:35 PM	5	1288	0.2620	None Detected	ND	0.98	<0.98	0.00 - 3.60
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									

Analyst(s)

Sherrie Ahmad (3)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 10/05/2016 13:35:08

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤ 0.01 MFL > 10µm. 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

Page 1 of 1

October 4, 2016

Rincon Consultants, Inc.

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

SP 1611199:2, 4, 7-8, 10 **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 1611199-002	MCWP-MW04S	Source-Other	Rincon (Field)	Rincon Consultants	09/21/2016 12:45	09/21/2016 16:30 LMM	09/23/2016 LMM
2	SP 1611199-004	SMBRP-12	Source-Other	Rincon (Field)	Rincon Consultants	09/21/2016 10:10	09/21/2016 16:24 LMM	09/23/2016 LMM
3	SP 1611199-007	MCWP-MW09	Source-Other	Rincon (Field)	Rincon Consultants	09/21/2016 11:30	09/21/2016 16:27 LMM	09/23/2016 LMM
4	SP 1611199-008	TY-MW-1	Source-Other	Rincon (Field)	Rincon Consultants	09/21/2016 08:30	09/21/2016 16:17 LMM	09/25/2016 LMM
5	SP 1611199-010	SMBRP-13	Source-Other	Rincon (Field)	Rincon Consultants	09/21/2016 09:40	09/21/2016 16:21 LMM	09/25/2016 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	< 1.8 ABSENT	< 1.8 ABSENT	---	N/R			
4	TY-MW-1	---	---	SM 9221B	MPN/100ml	< 1.8 ABSENT	< 1.8 ABSENT	---	N/R			
5	SMBRP-13	---	---	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: 2016-10-04

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 14, 2016

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

Lab ID : SP 1611199
 Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 115 pages divided into 3 sections:

Case Narrative	(9 pages)	: An overview of the work performed at FGL.
Sample Results	(61 pages)	: Results for each sample submitted.
Quality Control	(45 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
MCWP-MW04S	09/21/2016	09/21/2016	SP 1611199-002	MW
SMBRP-12	09/21/2016	09/21/2016	SP 1611199-004	MW
MCWP-MW09	09/21/2016	09/21/2016	SP 1611199-007	MW
TY-MW-1	09/21/2016	09/21/2016	SP 1611199-008	MW
SMBRP-13	09/21/2016	09/21/2016	SP 1611199-010	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 1611199-002	Chlorine, Total	15	1758 Minutes
SP 1611199-002	pH	15	7365 Minutes
SP 1611199-004	Chlorine, Total	15	1912.8 Minutes
SP 1611199-004	pH	15	7519.8 Minutes
SP 1611199-007	Chlorine, Total	15	1833 Minutes
SP 1611199-007	Chlorine, Total	15	1833 Minutes
SP 1611199-007	pH	15	7440 Minutes
SP 1611199-008	Chlorine, Total	15	2013 Minutes
SP 1611199-008	pH	15	3301.2 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.

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
 Customer : 2-25173

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

Inorganic - Metals QC

200.7	09/24/2016:213893 All analysis quality controls are within established criteria.
	10/04/2016:214498 All analysis quality controls are within established criteria.
	10/06/2016:214618 All analysis quality controls are within established criteria.
	10/04/2016:211949 All preparation quality controls are within established criteria.
	09/24/2016:211518 All preparation quality controls are within established criteria.
200.8	10/04/2016:214508 All analysis quality controls are within established criteria.
	10/05/2016:214575 All analysis quality controls are within established criteria.
245.1	10/05/2016:214518 All analysis quality controls are within established criteria.
	10/04/2016:211963 All preparation quality controls are within established criteria.
3010	10/04/2016:211956 All preparation quality controls are within established criteria, except: The following note applies to Barium: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Barium: 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.

Organic QC

504	09/27/2016:211607 All preparation quality controls are within established criteria.
504.1	09/28/2016:214053 All analysis quality controls are within established criteria.
505	09/27/2016:213930 All analysis quality controls are within established criteria.
	09/26/2016:211552 All preparation quality controls are within established criteria, except: The following note applies to Tetrachloro-m-xylene: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
507	10/06/2016:214531 All analysis quality controls are within established criteria.

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
 Customer : 2-25173

Organic QC

507	09/28/2016:211665 All preparation quality controls are within established criteria, except: The following note applies to Metribuzin: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
515.3	10/01/2016:214256 All analysis quality controls are within established criteria.
	09/27/2016:211634 All preparation quality controls are within established criteria.
524.2	09/27/2016:214096 All analysis quality controls are within established criteria, except: The following note applies to Ethyl tert-Butyl Ether, Methyl tert-Butyl Ether, TAME, Vinyl Chloride: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/27/2016:211698 All preparation quality controls are within established criteria, except: The following note applies to Freon-11, Vinyl Chloride: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
531.1	09/29/2016:214102 All analysis quality controls are within established criteria.
	09/28/2016:211702 All preparation quality controls are within established criteria, except: The following note applies to Aldicarb Sulfone/Sulfoxide, Oxamyl: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
5310C	09/27/2016:214089 All analysis quality controls are within established criteria.
	09/26/2016:211516 All preparation quality controls are within established criteria.
547	09/22/2016:213777 All analysis quality controls are within established criteria.
	09/21/2016:211419 All preparation quality controls are within established criteria.
548.1	10/07/2016:214670 All analysis quality controls are within established criteria.
	09/27/2016:211622 All preparation quality controls are within established criteria.
549	09/22/2016:211450 All preparation quality controls are within established criteria.
549.2	09/23/2016:213932 All analysis quality controls are within established criteria.
552	09/23/2016:211501 All preparation quality controls are within established criteria, except:

Organic QC

552	The following note applies to 2,3-Dibromopropionic Acid, Dibromoacetic Acid, Monobromoacetic Acid, Dichloroacetic Acid, Monochloroacetic Acid: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Dibromoacetic Acid, Dichloroacetic Acid, Trichloroacetic Acid: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
552.2	09/28/2016:213970 All analysis quality controls are within established criteria.
608	09/29/2016:214106 All analysis quality controls are within established criteria.
	09/27/2016:211539 All preparation quality controls are within established criteria.
624	09/22/2016:213938 All analysis quality controls are within established criteria, except: The following note applies to 1,1-Dichloroethane, 1,4-Dichlorobenzene, Bromoform, Bromomethane (Methyl Bromide), Chloromethane(Methyl Chloride): 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/22/2016:211564 All preparation quality controls are within established criteria, except: The following note applies to 2-Chloroethylvinyl ether, Bromomethane (Methyl Bromide), Chloromethane(Methyl Chloride), Vinyl Chloride: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	The following note applies to Fluorobenzene: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
625	09/27/2016:214043 All analysis quality controls are within established criteria, except: The following note applies to Dibenzo(a,h)anthracene, Pentachlorophenol, Indeno(1,2,3-c,d)pyrene: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/30/2016:214342 All analysis quality controls are within established criteria, except: The following note applies to Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene, 3,3-Dichlorobenzidine, Indeno(1,2,3-c,d)pyrene: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/21/2016:211391 All preparation quality controls are within established criteria, except: The following note applies to bis(2-Chloroethyl)ether, Diethylphthalate, Dimethylphthalate: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.
	The following note applies to Benzidine, Hexachloroethane: 310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	The following note applies to Benzidine: 320 LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery.
625P	09/30/2016:214450 All analysis quality controls are within established criteria.

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
 Customer : 2-25173

Organic QC

625P	10/01/2016:214450 All analysis quality controls are within established criteria.
	09/27/2016:211614 All preparation quality controls are within established criteria, except: The following note applies to Aldrin: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to Aldrin, Endrin: 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	10/04/2016:214439 All analysis quality controls are within established criteria.
	10/04/2016:214440 All analysis quality controls are within established criteria.
	10/04/2016:214474 All analysis quality controls are within established criteria.
	10/05/2016:214474 All analysis quality controls are within established criteria.
	09/30/2016:211777 All preparation quality controls are within established criteria, except: The following note applies to Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	10/03/2016:214423 All analysis quality controls are within established criteria.
	09/28/2016:211720 All preparation quality controls are within established criteria.
905.0	09/29/2016:214239 All analysis quality controls are within established criteria.
	10/05/2016:214572 All analysis quality controls are within established criteria.
	09/27/2016:211658 All preparation quality controls are within established criteria.
	10/03/2016:211855 All preparation quality controls are within established criteria.
906.0	09/26/2016:214017 All analysis quality controls are within established criteria.
	09/27/2016:214017 All analysis quality controls are within established criteria.
	09/26/2016:211527 All preparation quality controls are within established criteria.

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
 Customer : 2-25173

Radio QC

908.0	09/28/2016:214183 All analysis quality controls are within established criteria.
	09/27/2016:211585 All preparation quality controls are within established criteria.
Ra - 05	10/04/2016:214499 All analysis quality controls are within established criteria.
	10/04/2016:214503 All analysis quality controls are within established criteria.
	10/03/2016:211657 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

1664A	10/06/2016:212024 All preparation quality controls are within established criteria.
2120B	09/22/2016:214266 All analysis quality controls are within established criteria.
	09/22/2016:211826 All preparation quality controls are within established criteria.
2130B	09/23/2016:213889 All analysis quality controls are within established criteria.
	09/23/2016:211432 All preparation quality controls are within established criteria.
2150B	09/22/2016:211833 All preparation quality controls are within established criteria.
218.6	09/23/2016:214002 All analysis quality controls are within established criteria.
	09/30/2016:214421 All analysis quality controls are within established criteria.
	09/23/2016:211616 All preparation quality controls are within established criteria.
	09/30/2016:211954 All preparation quality controls are within established criteria.
2320B	09/23/2016:213890 All analysis quality controls are within established criteria.
	09/23/2016:211471 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO ₃), Bicarbonate: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
2510B	09/22/2016:213788 All analysis quality controls are within established criteria.
	09/27/2016:213985 All analysis quality controls are within established criteria.

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
 Customer : 2-25173

Inorganic - Wet Chemistry QC

2510B	09/22/2016:211426 All preparation quality controls are within established criteria.
	09/27/2016:211590 All preparation quality controls are within established criteria.
2540CE	09/22/2016:211444 All preparation quality controls are within established criteria.
2540D	09/26/2016:211562 All preparation quality controls are within established criteria.
300.0	09/22/2016:214007 All analysis quality controls are within established criteria.
	09/22/2016:211443 All preparation quality controls are within established criteria.
314.0	09/24/2016:213927 All analysis quality controls are within established criteria.
	09/23/2016:211486 All preparation quality controls are within established criteria.
351.2	09/26/2016:211529 All preparation quality controls are within established criteria.
	09/28/2016:211664 All preparation quality controls are within established criteria.
	09/24/2016:211513 All preparation quality controls are within established criteria.
	09/28/2016:211661 All preparation quality controls are within established criteria.
	10/13/2016:212356 All preparation quality controls are within established criteria, except: The following note applies to Nitrogen, Total Kjeldahl: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Nitrogen, Total Kjeldahl: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
4500CIG	09/22/2016:213837 All analysis quality controls are within established criteria.
	09/22/2016:211467 All preparation quality controls are within established criteria.
4500CNCE	10/02/2016:214313 All analysis quality controls are within established criteria.
	10/01/2016:211863 All preparation quality controls are within established criteria.
4500-H B	09/23/2016:211504 All preparation quality controls are within established criteria.
	09/26/2016:211568 All preparation quality controls are within established criteria.

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
 Customer : 2-25173

Inorganic - Wet Chemistry QC

4500HB	09/23/2016:213872 All analysis quality controls are within established criteria.
	09/26/2016:213951 All analysis quality controls are within established criteria.
4500NH3G	09/27/2016:213992 All analysis quality controls are within established criteria.
	09/30/2016:214218 All analysis quality controls are within established criteria.
	10/13/2016:214955 All analysis quality controls are within established criteria.
	09/26/2016:211524 All preparation quality controls are within established criteria.
	09/30/2016:211784 All preparation quality controls are within established criteria.
	10/13/2016:212352 All preparation quality controls are within established criteria.
4500NO2F	09/22/2016:211462 All preparation quality controls are within established criteria.
4500NO3F	09/22/2016:213830 All analysis quality controls are within established criteria.
	09/22/2016:213832 All analysis quality controls are within established criteria.
	09/22/2016:211440 All preparation quality controls are within established criteria.
4500-P B	09/29/2016:211772 All preparation quality controls are within established criteria.
4500PE	09/30/2016:214191 All analysis quality controls are within established criteria.
5210B	09/27/2016:214203 All analysis quality controls are within established criteria.
	09/22/2016:211424 All preparation quality controls are within established criteria, except: The following note applies to BOD: 325 The LCS was out of acceptance limits. Results may be biased low.
5540C	09/21/2016:213798 All analysis quality controls are within established criteria.
	09/23/2016:213888 All analysis quality controls are within established criteria.
	09/21/2016:211431 All preparation quality controls are within established criteria.
	09/23/2016:211523 All preparation quality controls are within established criteria.
EPA351.2	09/26/2016:211902 All analysis quality controls are within established criteria.

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
Customer : 2-25173

Inorganic - Wet Chemistry QC

EPA351.2	09/27/2016:213984 All analysis quality controls are within established criteria.
	09/29/2016:214141 All analysis quality controls are within established criteria.
	10/14/2016:215021 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: 2016-10-14

October 14, 2016

Lab ID : SP 1611199-002

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-12:45
Sampled By : Rincon (Field)
Received On : September 21, 2016-15:40
Matrix : Monitoring Well

Description : MCWP-MW04S
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 P:1/5													
Total Hardness as CaCO3	2440	2.5	0.0065	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Calcium	504	1	0.0065	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Magnesium	288	1	0.0037	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Potassium	3.38	1	0.065	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Sodium	1070	10	0.17	mg/L	10		200.7	211949	10/04/16	06:00	200.7	214618-IT203	10/06/16-14:22AC
Total Cations	95.5	0.1	0.0065	meq/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Boron	2.25	0.05	0.0050	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Copper	6.51	10	1.2	ug/L	1	J	200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Iron	520	50	5.0	ug/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Manganese	189	10	0.099	ug/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Zinc	4.36	20	1.0	ug/L	1	J	200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
SAR	9.42	0.1	0.0065	--	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:36AC
Total Alkalinity (as CaCO3)	525	10	1.1	mg/L	1		2320B	211471	09/23/16	04:45	2320B	213890-MT201	09/23/16-12:36AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211471	09/23/16	04:45	2320B	213890-MT201	09/23/16-12:36AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211471	09/23/16	04:45	2320B	213890-MT201	09/23/16-12:36AMB
Bicarbonate as HCO3	641	10	1.1	mg/L	1.000		2320B	211471	09/23/16	04:45	2320B	213890-MT201	09/23/16-12:36AMB
Sulfate	2980	20	0.015	mg/L	20		300.0	211443	09/22/16	11:00	300.0	214007-IC210	09/22/16-12:14MCA
Chloride	744	20	0.0045	mg/L	20		300.0	211443	09/22/16	11:00	300.0	214007-IC210	09/22/16-12:14MCA
Nitrate as NO3	1.18	0.4	0.0032	mg/L	1		300.0	211443	09/22/16	11:00	300.0	214007-IC210	09/22/16-11:56MCA
Nitrite as N	ND	0.1	0.0010	mg/L	1	U	300.0	211443	09/22/16	11:00	300.0	214007-IC210	09/22/16-11:56MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral ^{P:15}												
Nitrate + Nitrite as N	0.300	0.1	0.0032	mg/L	1		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-11:56MCA
Fluoride	0.711	0.1	0.0021	mg/L	1		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-11:56MCA
Total Anions	93.6	0.1	1.1	meq/L	1.000		2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-12:36AMB
pH	7.20	--	0.0	units	1	T	4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:55JMG
Specific Conductance	8210	1	0.0	umhos/cm	1		2510B	211426	09/22/16 07:50	2510B	213788-EC206	09/22/16-12:37JMG
Total Dissolved Solids	6750	85	5.8	mg/L	2.125	b	2540CE	211444	09/22/16 14:01	2540C	213845-WT219	09/23/16-10:19CTL
MBAS (foaming agents)	0.0889	0.2	0.0053	mg/L	2	Jb	5540C	211523	09/23/16 09:07	5540C	213888-UV207	09/23/16-17:25JBA
Aggressiveness Index	13.0	1	0.0	--	1		4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:55JMG
Langelier Index (20°C)	1.0	1	0.0	--	1	b	4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:55JMG
Nitrate Nitrogen	0.300	0.1	0.00080	mg/L	1		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-11:56MCA
Metals, Total ^{P:15}												
Aluminum	0.498	0.02	0.000050	mg/L	2		3010	211956	10/04/16 03:30	200.8	214575-IX202	10/05/16-15:44AC
Antimony	0.00127	0.001	0.000044	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Arsenic	0.0117	0.002	0.000047	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Barium	0.0342	0.0002	0.000026	mg/L	1	hP	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Cadmium	0.000286	0.0002	0.000031	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Chromium	0.00916	0.001	0.000066	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Copper	0.0106	0.001	0.000071	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Lead	0.000337	0.0002	0.000013	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Mercury	0.0000153	0.00001	0.000021	mg/L	1	J	245.1	211963	10/04/16 13:00	245.1	214518-HG204	10/05/16-12:21AC
Nickel	0.0153	0.001	0.000040	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Selenium	0.0475	0.002	0.00017	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Silver	ND	0.00025	0.000022	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Thallium	0.0000210	0.0002	0.000018	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Chromium III	0.00820	0.001	0.000066	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:10AC
Wet Chemistry ^{AGT:1}												
BOD	0.9	2	0.19	mg/L	1	JL	5210B	211424	09/22/16 12:33	5210B	214203-O2205	09/27/16-14:12AMM
Chlorine, Total	0.0870	0.1	0.069	mg/L	1	JT	4500CIG	211467	09/22/16 18:03	4500CIG	213837-UV207	09/22/16-18:32SJN
Chromium VI	0.965	0.1	0.012	ug/L	1		218.6	211616	09/23/16 11:46	218.6	214002-IC209	09/23/16-18:52MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{AGT:1}												
Color	40.0	5	0.0	units	1		2120B	211826	09/22/16 11:40	2120B	214266-JMG	09/22/16-12:00JMG
Cyanide, Total	ND	0.004	0.0023	mg/L	1	U	4500CNCE	211863	10/01/16 14:12	4500CNCE	214313-UV207	10/02/16-15:30AMM
Nitrogen, Organic	0.600	0.5	0.072	mg/L	1	lb	4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-08:00AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	212352	10/13/16 04:30	4500NH3G	214955-FI207	10/13/16-07:35AMB
Kjeldahl Nitrogen	0.600	0.5	0.19	mg/L	1	lb	351.2	212356	10/13/16 08:20	EPA351.2	215021-FI206	10/14/16-04:45AMB
Nitrogen, Total as Nitrogen	0.900	0.5	0.32	mg/L	1	lb	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:33AMB
Nitrate + Nitrite as N	0.300	0.1	0.0032	mg/L	1		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-11:56MCA
Kjeldahl Nitrogen	0.600	0.5	0.19	mg/L	1	lb	351.2	212356	10/13/16 08:20	EPA351.2	215021-FI206	10/14/16-04:45AMB
Odor	2.00	1	0.0	TON	1		2150B	211833	09/22/16 06:15	2150B	214275-JMG	09/22/16-06:50jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.1111	U	1664A	212024	10/06/16 14:06	1664A	214674-WT215	10/07/16-16:21AMM
Phosphorus, Total	0.583	0.1	0.031	mg/L	1		4500-P B	211772	09/29/16 14:26	4500PE	214191-UV205	09/30/16-12:43SJN
Solids, Total Suspended (TSS)	21.1	1.6	0.49	mg/L	1.5625		2540D	211562	09/26/16 18:10	2540D	213987-WT215	09/27/16-09:09jba
Turbidity	5.08	0.2	0.048	NTU	1		2130B	211432	09/23/16 08:05	2130B	213889-TR203	09/23/16-08:09JBA
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	211486	09/23/16 15:00	314.0	213927-IC207	09/24/16-04:17SBL

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. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 14, 2016

Lab ID : SP 1611199-002

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-12:45

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-MW04S

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 VOA:1												
1,3-Dibromopropane [‡]	104	70-130		%	0.98209		504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-10:37SBL	
DBCP	ND	0.0098	0.0057	ug/L	0.98209	U	504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-10:37SBL	
EDB	ND	0.02	0.0027	ug/L	0.98209	Ub	504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-10:37SBL	
EPA 505 VOA:1												
Tetrachloro-m-xylene [‡]	94.6	70-130		%	0.98551		505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Alachlor	ND	0.2	0.13	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Aldrin	ND	0.0099	0.0040	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Chlordane	ND	0.099	0.041	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Dieldrin	ND	0.0099	0.0024	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Endrin	ND	0.0099	0.0054	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Heptachlor	ND	0.0099	0.0026	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Heptachlor Epoxide	ND	0.0099	0.0046	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Hexachlorobenzene	ND	0.0099	0.0031	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Hexachlorocyclopentadiene	ND	0.099	0.027	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Lindane (Gamma BHC)	ND	0.049	0.0049	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Methoxychlor	ND	0.099	0.0098	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
Toxaphene	ND	0.49	0.11	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
PCB 1016	ND	0.49	0.22	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
PCB 1221	ND	0.49	0.067	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	
PCB 1232	ND	0.49	0.13	ug/L	0.98551	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-05:58SBL	

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.49	0.14	ug/L	0.98551	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-05:58SBL
PCB 1248	ND	0.49	0.064	ug/L	0.98551	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-05:58SBL
PCB 1254	ND	0.49	0.026	ug/L	0.98551	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-05:58SBL
PCB 1260	ND	0.49	0.055	ug/L	0.98551	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-05:58SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	88.4	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Prometryne	ND	2	0.095	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:00SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	117	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 ^{AGT:1}												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-00:28SG
EPA 524.2 ^{VOA:13}												
4-Bromofluorobenzene [‡]	101	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,2-Dichlorobenzene-d4 [‡]	99.9	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:09VRG	

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
Total Trihalomethanes	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:09VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-05:54SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-05:54SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-05:54SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-05:54SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-05:54SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-05:54SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-05:54SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-05:54SG
EPA 547 AGT:1												
Glyphosate	ND	20	0.97	ug/L	1	U	547	211419	09/21/16 16:35	547	213777-LC204	09/22/16-15:10SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211622	09/27/16 13:31	548.1	214670-GC220	10/07/16-19:24SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-16:11SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	109	70-130		%	1		552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:20SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:20SBL
Chloroacetic Acid	0.988	2	0.28	ug/L	1	Jbh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:20SBL
Dibromoacetic Acid	1.16	1	0.25	ug/L	1	bh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:20SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:20SBL
Trichloroacetic Acid	0.505	1	0.39	ug/L	1	Jb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:20SBL
Haloacetic acids (five)	2.65	1	0.55	ug/L	1	hJb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:20SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	51.5	15-143		%	0.98039		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
Chlordane	ND	2	0.32	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
Toxaphene	ND	2	0.044	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
PCB 1016	ND	0.49	0.13	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
PCB 1221	ND	0.49	0.084	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
PCB 1232	ND	0.49	0.20	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
PCB 1242	ND	0.49	0.20	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
PCB 1248	ND	0.49	0.064	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
PCB 1254	ND	0.49	0.086	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
PCB 1260	ND	0.49	0.11	ug/L	0.98039	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-06:23SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	96.2	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Fluorobenzene [‡]	89.1	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Pentafluorobenzene [‡]	72.7	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Chloroform	ND	0.5	0.045	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:06VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	83.8	10-99		%	0.97087		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2-Fluorophenol [‡]	80.9	15-96		%	0.97087		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Nitrobenzene-d5 [‡]	87.5	11-102		%	0.97087		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Phenol-d6 [‡]	75.7	9-103		%	0.97087		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
p-Terphenyl-d14 [‡]	63.5	25-123		%	0.97087		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2,4,6-Tribromophenol [‡]	78.2	17-97		%	0.97087		625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Acenaphthene	ND	0.97	0.50	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Acenaphthylene	ND	0.97	0.39	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Anthracene	ND	0.97	0.43	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Benzidine	ND	9.7	1.8	ug/L	0.97087	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Benzo(a)anthracene	ND	0.97	0.43	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Benzo(b)fluoranthene	ND	0.97	0.37	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Benzo(k)fluoranthene	ND	0.97	0.50	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Benzo(g,h,i)perylene	ND	0.97	0.40	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Benzo(a)pyrene	ND	0.97	0.40	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
4-Bromophenylphenylether	ND	0.97	0.46	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
bis(2-Chloroethoxy)methane	ND	0.97	0.56	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
bis(2-Chloroethyl)ether	ND	0.97	0.52	ug/L	0.97087	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
bis(2-Chloroisopropyl)ether	ND	0.97	0.53	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
bis(2-Ethylhexyl)phthalate	0.720	1.9	0.41	ug/L	0.97087	Jb	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2-Chloronaphthalene	ND	0.97	0.63	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
4-Chlorophenylphenylether	ND	0.97	0.62	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Chrysene	ND	0.97	0.51	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Dibenzo(a,h)anthracene	ND	0.97	0.37	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Di-n-butylphthalate	1.29	1.9	0.35	ug/L	0.97087	J	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
1,2-Dichlorobenzene	ND	0.97	0.47	ug/L	0.97087	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
1,3-Dichlorobenzene	ND	0.97	0.45	ug/L	0.97087	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
1,4-Dichlorobenzene	ND	0.97	0.47	ug/L	0.97087	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
3,3'-Dichlorobenzidine	ND	0.97	0.43	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Diethylphthalate	ND	0.97	0.34	ug/L	0.97087	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Dimethylphthalate	ND	0.97	0.31	ug/L	0.97087	UL	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
4,6-Dinitro-2-methylphenol	ND	0.97	0.43	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2,4-Dinitrophenol	ND	4.9	0.22	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2,4-Dinitrotoluene	ND	0.97	0.49	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2,6-Dinitrotoluene	ND	0.97	0.55	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Di-n-octylphthalate	ND	0.97	0.31	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Fluoranthene	ND	0.97	0.44	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Fluorene	ND	0.97	0.62	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Hexachlorobenzene	ND	0.97	0.47	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Hexachlorobutadiene	ND	0.97	0.45	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Hexachlorocyclopentadiene	ND	0.97	0.24	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Hexachloroethane	ND	0.97	0.43	ug/L	0.97087	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Indeno(1,2,3-c,d)pyrene	ND	0.97	0.38	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Isophorone	ND	0.97	0.41	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Naphthalene	ND	0.97	0.55	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Nitrobenzene	ND	0.97	0.47	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.97087	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
N-Nitrosodiphenylamine	ND	0.97	0.74	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
N-Nitrosodi-n-propylamine	ND	0.97	0.53	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Phenanthrene	ND	0.97	0.50	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Phenol	ND	0.97	0.88	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Pyrene	ND	0.97	0.46	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
Pyridine	ND	9.7	0.32	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
1,2,4-Trichlorobenzene	ND	0.97	0.48	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2,4,6-Trichlorophenol	ND	0.97	0.90	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
1,2-Diphenylhydrazine	ND	0.97	0.47	ug/L	0.97087	UH	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.97087	U	625	211391	09/21/16 17:30	625	214043-GM213	09/27/16-10:01SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.8	0.91	ng/L	0.96154	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Alpha BHC	ND	4.8	1.3	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Beta BHC	ND	4.8	1.5	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Delta BHC	ND	4.8	1.8	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
alpha-Chlordane	ND	4.8	1.8	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
gamma-Chlordane	ND	4.8	1.3	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
p,p'-DDD	ND	4.8	1.3	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
p,p'-DDE	ND	4.8	1.3	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
p,p'-DDT	ND	4.8	4.1	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Dieldrin	ND	4.8	1.5	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Endosulfan I	ND	4.8	2.1	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Endosulfan II	ND	4.8	2.1	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Endosulfan Sulfate	ND	4.8	1.2	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Endrin	ND	4.8	1.3	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Endrin Aldehyde	ND	4.8	1.9	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.8	1.8	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Heptachlor	ND	4.8	1.8	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Heptachlor Epoxide	ND	4.8	0.77	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Lindane (Gamma BHC)	ND	4.8	3.7	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Methoxychlor	ND	4.8	0.46	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
cis_Nonachlor	ND	48	1.6	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
o,p - DDD	ND	4.8	0.54	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
o,p - DDE	ND	4.8	0.35	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
o,p - DDT	ND	4.8	0.95	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
trans-Nonachlor	ND	48	1.2	ng/L	0.96154	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
Tetrachloro-m-xylene [‡]	68.7	26-90		%	0.96154		625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-22:40SG
TOC ^{AVT:14}												
TOC	4.55	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-20:07AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 14, 2016

Lab ID : SP 1611199-002

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-12:45

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-MW04S

Project : Malibu WWTP - Baseline GWM

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	15.6 ± 5.16	5.19	pCi/L	15	1	900.0	211777	09/30/16 07:00	900.0	214474-GP215	10/04/16-16:00caa
Gross Beta	4.02 ± 2.87	3.21	pCi/L	50		900.0	211777	09/30/16 07:00	900.0	214439-GP218	10/04/16-09:00caa
Strontium 90	2.30 ± 0.978	0.491	pCi/L	8		905.0	211855	10/03/16 18:00	905.0	214572-GP217	10/05/16-13:20caa
Total Alpha Radium (226)	0.030 ± 0.131	0.470	pCi/L	3		903.0	211720	09/28/16 18:30	903.0	214423-GP216	10/03/16-09:20caa
Tritium	346 ± 268	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/26/16-23:00caa
Uranium	14.7 ± 2.51	0.300	pCi/L	20		908.0	211585	09/27/16 07:30	908.0	214183-GP220	09/28/16-17:27caa
Ra 228	0.000 ± 0.379	0.253	pCi/L	2		Ra - 05	211657	10/03/16 18:00	Ra - 05	214499-GP218	10/04/16-19:10caa
DQF Flags Definition:											
1 The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 14, 2016

Lab ID : SP 1611199-004

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-10:10

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

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 P:1'S												
Total Hardness as CaCO3	2370	2.5	0.0065	mg/L	1		200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Calcium	417	1	0.0065	mg/L	1		200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Magnesium	322	1	0.0037	mg/L	1		200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Potassium	69.3	1	0.037	mg/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-17:48AC
Sodium	1520	10	0.17	mg/L	10		200.7	211949	10/04/16 06:00	200.7	214618-IT203	10/06/16-14:27AC
Total Cations	115	0.1	0.0065	meq/L	1		200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Boron	1.25	0.05	0.0050	mg/L	1		200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Copper	ND	10	1.2	ug/L	1	U	200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Iron	2260	50	5.0	ug/L	1		200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Manganese	1600	10	0.099	ug/L	1		200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Zinc	3.21	20	1.0	ug/L	1	J	200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
SAR	13.6	0.1	0.0065	--	1		200.7	211518	09/24/16 13:30	200.7	213893-IT203	09/24/16-19:39AC
Total Alkalinity (as CaCO3)	434	10	1.1	mg/L	1		2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-13:05AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-13:05AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-13:05AMB
Bicarbonate as HCO3	530	10	1.1	mg/L	1.000		2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-13:05AMB
Sulfate	871	50	0.015	mg/L	50		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-12:51MCA
Chloride	3140	50	0.0045	mg/L	50		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-12:51MCA
Nitrate as NO3	0.600	0.4	0.032	mg/L	1		4500NO3F	211440	09/22/16 10:30	4500NO3F	213832-FI207	09/22/16-14:02JDD
Nitrite as N	ND	0.1	0.011	mg/L	1	U	4500NO2F	211462	09/22/16 10:30	4500NO3F	213830-FI207	09/22/16-14:00JDD

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral ^{P:15}												
Nitrate + Nitrite as N	0.128	0.1	0.032	mg/L	1		4500NO3F	211440	09/22/16 10:30	4500NO3F	213832-FI207	09/22/16-14:02JDD
Fluoride	0.289	0.2	0.0021	mg/L	2		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-12:33MCA
Total Anions	115	0.1	1.1	meq/L	1.000		2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-13:05AMB
pH	7.08	--	0.0	units	1	T	4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:56JMG
Specific Conductance	11600	1	0.0	umhos/cm	1		2510B	211590	09/27/16 09:01	2510B	213985-EC206	09/27/16-10:15JMG
Total Dissolved Solids	7930	120	5.8	mg/L	3	b	2540CE	211444	09/22/16 14:01	2540C	213845-WT219	09/23/16-10:44CTL
MBAS (foaming agents)	0.0749	0.1	0.0053	mg/L	1	Jb	5540C	211523	09/23/16 09:07	5540C	213888-UV207	09/23/16-17:25JBA
Aggressiveness Index	12.7	1	0.0	--	1		4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:56JMG
Langelier Index (20°C)	0.7	1	0.0	--	1	b	4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:56JMG
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	211440	09/22/16 10:30	4500NO3F	213832-FI207	09/22/16-14:02JDD
Metals, Total ^{P:15}												
Aluminum	0.00943	0.01	0.000050	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Antimony	0.000140	0.001	0.000044	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Arsenic	0.0184	0.002	0.000047	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Barium	0.166	0.0002	0.000026	mg/L	1	hP	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Cadmium	ND	0.0002	0.000031	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Chromium	0.00212	0.001	0.000066	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Copper	0.0141	0.001	0.000071	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Lead	0.000285	0.0002	0.000013	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Mercury	0.00000747	0.00001	0.0000021	mg/L	1	J	245.1	211963	10/04/16 13:00	245.1	214518-HG204	10/05/16-12:24AC
Nickel	0.00954	0.001	0.000040	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Selenium	0.0249	0.002	0.00017	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Silver	ND	0.00025	0.000022	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Chromium III	0.00180	0.001	0.000066	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:17AC
Wet Chemistry ^{AGT:1}												
BOD	0.7	2	0.19	mg/L	1	JL	5210B	211424	09/22/16 12:40	5210B	214203-O2205	09/27/16-14:12AMM
Chlorine, Total	0.0991	0.1	0.069	mg/L	1	JT	4500CIG	211467	09/22/16 18:03	4500CIG	213837-UV207	09/22/16-18:33SJN
Chromium VI	0.318	0.1	0.012	ug/L	1		218.6	211616	09/23/16 11:46	218.6	214002-IC209	09/23/16-19:03MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{AGT:1}												
Color	15.0	5	0.0	units	1		2120B	211826	09/22/16 11:40	2120B	214266-JMG	09/22/16-12:00JMG
Cyanide, Total	ND	0.004	0.0023	mg/L	1	U	4500CNCE	211863	10/01/16 14:12	4500CNCE	214313-UV207	10/02/16-15:31AMM
Nitrogen, Organic	ND	1	0.072	mg/L	2	lb	4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-10:06AMB
Ammonia Nitrogen	8.85	1	0.072	mg/L	5		4500NH3G	212352	10/13/16 04:30	4500NH3G	214955-FI207	10/13/16-08:24AMB
Kjeldahl Nitrogen	8.28	0.5	0.19	mg/L	1	lb	351.2	212356	10/13/16 08:20	EPA351.2	215021-FI206	10/14/16-04:46AMB
Nitrogen, Total as Nitrogen	8.28	0.5	0.19	mg/L	1	lb	351.2	211513	09/24/16 06:52	EPA351.2	211902-FI206	09/26/16-08:55AMB
Nitrate + Nitrite as N	ND	0.2	0.0032	mg/L	2	U	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-12:33MCA
Kjeldahl Nitrogen	8.28	0.5	0.19	mg/L	1	lb	351.2	212356	10/13/16 08:20	EPA351.2	215021-FI206	10/14/16-04:46AMB
Odor	ND	1	0.0	TON	1	U	2150B	211833	09/22/16 06:15	2150B	214275-JMG	09/22/16-06:50jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.1111	U	1664A	212024	10/06/16 14:06	1664A	214674-WT215	10/07/16-16:22AMM
Phosphorus, Total	0.753	0.1	0.031	mg/L	1		4500-P B	211772	09/29/16 14:26	4500PE	214191-UV205	09/30/16-12:44SJN
Solids, Total Suspended (TSS)	12.9	1.4	0.49	mg/L	1.4286		2540D	211562	09/26/16 18:10	2540D	213987-WT215	09/27/16-09:09jba
Turbidity	15.2	0.2	0.048	NTU	1		2130B	211432	09/23/16 08:05	2130B	213889-TR203	09/23/16-08:09JBA
Perchlorate	ND	4	0.29	ug/L	2	U	314.0	211486	09/23/16 15:00	314.0	213927-IC207	09/24/16-04:40SBL

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. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 14, 2016

Lab ID : SP 1611199-004

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-10:10

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : SMBRP-12

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 ^{VOA:1}												
1,3-Dibromopropane [‡]	74.0	70-130		%	0.97757		504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-11:12SBL	
DBCP	ND	0.0098	0.0057	ug/L	0.97757	U	504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-11:12SBL	
EDB	ND	0.02	0.0027	ug/L	0.97757	Ub	504	211607 09/27/16 18:00		504.1	214053-GC216 09/28/16-11:12SBL	
EPA 505 ^{VOA:1}												
Tetrachloro-m-xylene [‡]	96.0	70-130		%	0.98067		505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Alachlor	ND	0.2	0.13	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Aldrin	ND	0.0098	0.0040	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Chlordane	ND	0.098	0.041	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Dieldrin	ND	0.0098	0.0024	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Endrin	ND	0.0098	0.0054	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Heptachlor	ND	0.0098	0.0026	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Heptachlor Epoxide	ND	0.0098	0.0046	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Hexachlorobenzene	ND	0.0098	0.0031	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Hexachlorocyclopentadiene	ND	0.098	0.027	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Lindane (Gamma BHC)	ND	0.049	0.0049	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Methoxychlor	ND	0.098	0.0098	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
Toxaphene	ND	0.49	0.11	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
PCB 1016	ND	0.49	0.22	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
PCB 1221	ND	0.49	0.067	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	
PCB 1232	ND	0.49	0.13	ug/L	0.98067	U	505	211552 09/26/16 11:03		505	213930-GC215 09/27/16-06:39SBL	

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.49	0.14	ug/L	0.98067	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-06:39SBL
PCB 1248	ND	0.49	0.064	ug/L	0.98067	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-06:39SBL
PCB 1254	ND	0.49	0.026	ug/L	0.98067	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-06:39SBL
PCB 1260	ND	0.49	0.055	ug/L	0.98067	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-06:39SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	90.0	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Prometryne	ND	2	0.095	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-06:37SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	126	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 ^{AGT:1}												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:09SG
EPA 524.2 ^{VOA:13}												
4-Bromofluorobenzene [‡]	93.9	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,2-Dichlorobenzene-d4 [‡]	98.4	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Chlorobenzene	0.148	0.5	0.050	ug/L	1	J	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:34VRG	

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	0.204	0.5	0.060	ug/L	1	J	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
Total Trihalomethanes	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:34VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-06:25SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-06:25SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-06:25SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-06:25SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-06:25SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-06:25SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-06:25SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-06:25SG
EPA 547 AGT:1												
Glyphosate	ND	20	0.97	ug/L	1	U	547	211419	09/21/16 16:35	547	213777-LC204	09/22/16-15:35SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211622	09/27/16 13:31	548.1	214670-GC220	10/07/16-19:52SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-16:19SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	98.9	70-130		%	1		552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:51SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:51SBL
Chloroacetic Acid	ND	2	0.28	ug/L	1	Ubh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:51SBL
Dibromoacetic Acid	ND	1	0.25	ug/L	1	Ubh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:51SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:51SBL
Trichloroacetic Acid	0.515	1	0.39	ug/L	1	Jb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:51SBL
Haloacetic acids (five)	ND	1	0.55	ug/L	1	UhbJ	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-03:51SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	60.3	15-143		%	0.95238		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
Chlordane	ND	1.9	0.32	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
Toxaphene	ND	1.9	0.044	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
PCB 1016	ND	0.48	0.13	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
PCB 1221	ND	0.48	0.084	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
PCB 1232	ND	0.48	0.20	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
PCB 1242	ND	0.48	0.20	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
PCB 1248	ND	0.48	0.064	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
PCB 1254	ND	0.48	0.086	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
PCB 1260	ND	0.48	0.11	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:04SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	93.7	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Fluorobenzene [‡]	88.5	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Pentafluorobenzene [‡]	71.8	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Chloroform	ND	0.5	0.045	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-17:34VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	76.9	10-99		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2-Fluorophenol [‡]	25.9	15-96		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Nitrobenzene-d5 [‡]	82.4	11-102		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Phenol-d6 [‡]	60.7	9-103		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
p-Terphenyl-d14 [‡]	117	25-123		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2,4,6-Tribromophenol [‡]	32.7	17-97		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Acenaphthene	ND	0.95	0.50	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Acenaphthylene	ND	0.95	0.39	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Anthracene	ND	0.95	0.43	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Benzidine	ND	9.5	1.8	ug/L	0.94787	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Benzo(a)anthracene	ND	0.95	0.43	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Benzo(b)fluoranthene	ND	0.95	0.37	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Benzo(k)fluoranthene	ND	0.95	0.50	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Benzo(g,h,i)perylene	ND	0.95	0.40	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Benzo(a)pyrene	ND	0.95	0.40	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
4-Bromophenylphenylether	ND	0.95	0.46	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
bis(2-Chloroethoxy)methane	ND	0.95	0.56	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
bis(2-Chloroethyl)ether	ND	0.95	0.52	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
bis(2-Chloroisopropyl)ether	ND	0.95	0.53	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
bis(2-Ethylhexyl)phthalate	0.644	1.9	0.41	ug/L	0.94787	Jb	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2-Chloronaphthalene	ND	0.95	0.63	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
4-Chlorophenylphenylether	ND	0.95	0.62	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Chrysene	ND	0.95	0.51	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Dibenzo(a,h)anthracene	ND	0.95	0.37	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Di-n-butylphthalate	0.553	1.9	0.35	ug/L	0.94787	J	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
1,2-Dichlorobenzene	ND	0.95	0.47	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
1,3-Dichlorobenzene	ND	0.95	0.45	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
1,4-Dichlorobenzene	ND	0.95	0.47	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
3,3'-Dichlorobenzidine	ND	0.95	0.43	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Diethylphthalate	ND	0.95	0.34	ug/L	0.94787	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Dimethylphthalate	ND	0.95	0.31	ug/L	0.94787	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
4,6-Dinitro-2-methylphenol	ND	0.95	0.43	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2,4-Dinitrotoluene	ND	0.95	0.49	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2,6-Dinitrotoluene	ND	0.95	0.55	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Di-n-octylphthalate	ND	0.95	0.31	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Fluoranthene	ND	0.95	0.44	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Fluorene	ND	0.95	0.62	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Hexachlorobenzene	ND	0.95	0.47	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Hexachlorobutadiene	ND	0.95	0.45	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Hexachlorocyclopentadiene	ND	0.95	0.24	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Hexachloroethane	ND	0.95	0.43	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Indeno(1,2,3-c,d)pyrene	ND	0.95	0.38	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Isophorone	ND	0.95	0.41	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Naphthalene	ND	0.95	0.55	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Nitrobenzene	ND	0.95	0.47	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
N-Nitrosodiphenylamine	ND	0.95	0.74	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
N-Nitrosodi-n-propylamine	ND	0.95	0.53	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Phenanthrene	ND	0.95	0.50	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Phenol	ND	0.95	0.88	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Pyrene	ND	0.95	0.46	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
Pyridine	ND	9.5	0.32	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
1,2,4-Trichlorobenzene	ND	0.95	0.48	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2,4,6-Trichlorophenol	ND	0.95	0.90	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
1,2-Diphenylhydrazine	ND	0.95	0.47	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-21:37SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.7	0.91	ng/L	0.9434	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Alpha BHC	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Beta BHC	ND	4.7	1.5	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Delta BHC	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Dieldrin	ND	4.7	1.5	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Endosulfan I	ND	4.7	2.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Endosulfan II	ND	4.7	2.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Endrin	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Heptachlor	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Methoxychlor	ND	4.7	0.46	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
cis_Nonachlor	ND	47	1.6	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
o,p - DDD	ND	4.7	0.54	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
o,p - DDE	ND	4.7	0.35	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
o,p - DDT	ND	4.7	0.95	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
trans-Nonachlor	ND	47	1.2	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
Tetrachloro-m-xylene [‡]	65.1	26-90		%	0.9434		625P	211614	09/27/16 17:00	625P	214450-GM210	09/30/16-23:23SG
TOC ^{AVT:14}												
TOC	0.722	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-20:25AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 14, 2016

Lab ID : SP 1611199-004

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-10:10

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : SMBRP-12

Project : Malibu WWTP - Baseline GWM

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	0.413 ± 2.81	4.59	pCi/L	15	1	900.0	211777	09/30/16 07:00	900.0	214474-GP215	10/04/16-18:00caa
Gross Beta	16.0 ± 3.07	2.53	pCi/L	50		900.0	211777	09/30/16 07:00	900.0	214440-GP219	10/04/16-10:00caa
Strontium 90	0.057 ± 0.714	0.491	pCi/L	8		905.0	211658	09/27/16 19:30	905.0	214239-GP217	09/29/16-11:20caa
Total Alpha Radium (226)	0.419 ± 0.249	0.470	pCi/L	3		903.0	211720	09/28/16 18:30	903.0	214423-GP216	10/03/16-09:40caa
Tritium	165 ± 263	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/27/16-01:00caa
Uranium	1.39 ± 0.914	0.300	pCi/L	20		908.0	211585	09/27/16 07:30	908.0	214183-GP220	09/28/16-17:52caa
Ra 228	0.193 ± 0.468	0.200	pCi/L	2		Ra - 05	211657	10/03/16 18:00	Ra - 05	214503-GP219	10/04/16-18:50caa
DQF Flags Definition:											
1 The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 14, 2016

Lab ID : SP 1611199-007

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-11:30

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-MW09

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 P:1'S												
Total Hardness as CaCO3	1210	2.5	0.0065	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Calcium	178	1	0.0065	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Magnesium	186	1	0.0037	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Potassium	32.4	1	0.065	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Sodium	1140	10	0.17	mg/L	10		200.7	211949 10/04/16 06:00		200.7	214618-IT203 10/06/16-14:57AC	
Total Cations	74.6	0.1	0.0065	meq/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Boron	0.972	0.05	0.0050	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Copper	ND	10	1.2	ug/L	1	U	200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Iron	885	50	5.0	ug/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Manganese	278	10	0.099	ug/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Zinc	1.77	20	1.0	ug/L	1	J	200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
SAR	14.3	0.1	0.0065	--	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:43AC	
Total Alkalinity (as CaCO3)	286	10	1.1	mg/L	1	J	2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-15:04AMB	
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-15:04AMB	
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-15:04AMB	
Bicarbonate as HCO3	349	10	1.1	mg/L	1.000	J	2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-15:04AMB	
Sulfate	807	20	0.015	mg/L	20		300.0	211443 09/22/16 11:00		300.0	214007-IC210 09/22/16-13:27MCA	
Chloride	1740	20	0.0045	mg/L	20		300.0	211443 09/22/16 11:00		300.0	214007-IC210 09/22/16-13:27MCA	
Nitrate as NO3	ND	0.4	0.0032	mg/L	1	U	300.0	211443 09/22/16 11:00		300.0	214007-IC210 09/22/16-13:09MCA	
Nitrite as N	ND	2	0.0010	mg/L	20	U	300.0	211443 09/22/16 11:00		300.0	214007-IC210 09/22/16-13:27MCA	

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral ^{P:15}												
Nitrate + Nitrite as N	ND	0.1	0.0032	mg/L	1	U	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:09MCA
Fluoride	0.418	0.1	0.0021	mg/L	1		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:09MCA
Total Anions	71.6	0.1	1.1	meq/L	1.000	J	2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-15:04AMB
pH	7.41	--	0.0	units	1	T	4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:56JMG
Specific Conductance	8130	1	0.0	umhos/cm	1		2510B	211426	09/22/16 07:50	2510B	213788-EC206	09/22/16-12:38JMG
Total Dissolved Solids	4920	85	5.8	mg/L	2.125	b	2540CE	211444	09/22/16 14:01	2540C	213845-WT219	09/23/16-10:43CTL
MBAS (foaming agents)	0.0466	0.1	0.0053	mg/L	1	Jb	5540C	211523	09/23/16 09:07	5540C	213888-UV207	09/23/16-17:25JBA
Aggressiveness Index	12.5	1	0.0	--	1		4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:56JMG
Langelier Index (20°C)	0.5	1	0.0	--	1	bJ	4500-H B	211568	09/26/16 15:30	4500HB	213951-PH203	09/26/16-15:56JMG
Nitrate Nitrogen	ND	0.1	0.00080	mg/L	1	U	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:09MCA
Metals, Total ^{P:15}												
Aluminum	0.0242	0.01	0.000050	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Antimony	0.000345	0.001	0.000044	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Arsenic	0.00478	0.002	0.000047	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Barium	0.0463	0.0002	0.000026	mg/L	1	hP	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Cadmium	ND	0.0002	0.000031	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Chromium	0.00172	0.001	0.000066	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Copper	0.00550	0.001	0.000071	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Lead	0.000222	0.0002	0.000013	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Mercury	0.00000229	0.00001	0.0000021	mg/L	1	J	245.1	211963	10/04/16 13:00	245.1	214518-HG204	10/05/16-12:28AC
Nickel	0.00297	0.001	0.000040	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Selenium	0.0131	0.004	0.00017	mg/L	2		3010	211956	10/04/16 03:30	200.8	214575-IX202	10/05/16-15:50AC
Silver	ND	0.00025	0.000022	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Chromium III	0.00139	0.001	0.000066	mg/L	1	b	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:47AC
Wet Chemistry ^{AGT:1}												
BOD	0.9	2	0.19	mg/L	1	JL	5210B	211424	09/22/16 12:44	5210B	214203-O2205	09/27/16-14:12AMM
Chlorine, Total	ND	0.1	0.069	mg/L	1	UT	4500CIG	211467	09/22/16 18:03	4500CIG	213837-UV207	09/22/16-18:34SJN
Chromium VI	0.330	0.1	0.012	ug/L	1	b	218.6	211954	09/30/16 16:50	218.6	214421-IC209	09/30/16-20:19MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry AGT:1												
Color	<5.00	5	0.0	units	1	U	2120B	211826	09/22/16 11:40	2120B	214266-JMG	09/22/16-12:00JMG
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	b	4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-08:14AMB
Ammonia Nitrogen	4.18	0.2	0.072	mg/L	1		4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-08:14AMB
Kjeldahl Nitrogen	3.88	0.5	0.19	mg/L	1	b	351.2	211661	09/28/16 08:20	EPA351.2	214141-FI206	09/29/16-07:08AMB
Nitrogen, Total as Nitrogen	3.88	0.5	0.19	mg/L	1	b	351.2	211661	09/28/16 08:20	EPA351.2	214141-FI206	09/29/16-07:08AMB
Nitrate + Nitrite as N	ND	0.1	0.0032	mg/L	1	U	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:09MCA
Kjeldahl Nitrogen	3.88	0.5	0.19	mg/L	1	b	351.2	211661	09/28/16 08:20	EPA351.2	214141-FI206	09/29/16-07:08AMB
Odor	ND	1	0.0	TON	1	U	2150B	211833	09/22/16 06:15	2150B	214275-JMG	09/22/16-06:50jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.1111	U	1664A	212024	10/06/16 14:06	1664A	214674-WT215	10/07/16-16:22AMM
Phosphorus, Total	0.0835	0.1	0.031	mg/L	1	J	4500-P B	211772	09/29/16 14:26	4500PE	214191-UV205	09/30/16-12:45SJM
Solids, Total Suspended (TSS)	5.00	1.1	0.49	mg/L	1.0753		2540D	211562	09/26/16 18:10	2540D	213987-WT215	09/27/16-09:09jba
Turbidity	6.82	0.2	0.048	NTU	1		2130B	211432	09/23/16 08:05	2130B	213889-TR203	09/23/16-08:09JBA
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	211486	09/23/16 15:00	314.0	213927-IC207	09/24/16-05:49SBL
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.											
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. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 14, 2016

Lab ID : SP 1611199-007

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-11:30

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-MW09

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 ^{VOA:1}												
1,3-Dibromopropane [‡]	109	70-130		%	0.97617		504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-11:48SBL
DBCP	ND	0.0098	0.0057	ug/L	0.97617	U	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-11:48SBL
EDB	ND	0.02	0.0027	ug/L	0.97617	Ub	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-11:48SBL
EPA 505 ^{VOA:1}												
Tetrachloro-m-xylene [‡]	30.5	70-130		%	0.98952	L	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Alachlor	ND	0.2	0.13	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Aldrin	ND	0.0099	0.0040	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Chlordane	ND	0.099	0.041	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Dieldrin	ND	0.0099	0.0024	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Endrin	ND	0.0099	0.0054	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Heptachlor	ND	0.0099	0.0026	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Heptachlor Epoxide	ND	0.0099	0.0046	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Hexachlorobenzene	ND	0.0099	0.0031	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Hexachlorocyclopentadiene	ND	0.099	0.027	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Lindane (Gamma BHC)	ND	0.049	0.0049	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Methoxychlor	ND	0.099	0.0098	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
Toxaphene	ND	0.49	0.11	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
PCB 1016	ND	0.49	0.22	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
PCB 1221	ND	0.49	0.067	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
PCB 1232	ND	0.49	0.13	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.49	0.14	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
PCB 1248	ND	0.49	0.064	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
PCB 1254	ND	0.49	0.026	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
PCB 1260	ND	0.49	0.055	ug/L	0.98952	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-07:20SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	75.3	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Prometryne	0.174	2	0.095	ug/L	1	J	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-07:51SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	93.4	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 ^{AGT:1}												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-01:50SG
EPA 524.2 ^{VOA:13}												
4-Bromofluorobenzene [‡]	96.9	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,2-Dichlorobenzene-d4 [‡]	97.3	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211698 09/27/16 08:00		524.2	214096-GM215 09/27/16-19:58VRG	

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
Total Trihalomethanes	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-19:58VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:27SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:27SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:27SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:27SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:27SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:27SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:27SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:27SG
EPA 547 AGT:1												
Glyphosate	ND	20	0.97	ug/L	1	U	547	211419	09/21/16 16:35	547	213777-LC204	09/22/16-16:01SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211622	09/27/16 13:31	548.1	214670-GC220	10/07/16-20:21SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-16:26SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	98.2	70-130		%	1		552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:22SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:22SBL
Chloroacetic Acid	0.962	2	0.28	ug/L	1	Jbh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:22SBL
Dibromoacetic Acid	ND	1	0.25	ug/L	1	Ubh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:22SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:22SBL
Trichloroacetic Acid	0.519	1	0.39	ug/L	1	Jb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:22SBL
Haloacetic acids (five)	1.48	1	0.55	ug/L	1	hJb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:22SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	69.6	15-143		%	0.95238		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
Chlordane	ND	1.9	0.32	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
Toxaphene	ND	1.9	0.044	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
PCB 1016	ND	0.48	0.13	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
PCB 1221	ND	0.48	0.084	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
PCB 1232	ND	0.48	0.20	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
PCB 1242	ND	0.48	0.20	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
PCB 1248	ND	0.48	0.064	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
PCB 1254	ND	0.48	0.086	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
PCB 1260	ND	0.48	0.11	ug/L	0.95238	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-07:45SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	95.8	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Fluorobenzene [‡]	84.4	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Pentafluorobenzene [‡]	70.7	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Chloroform	ND	0.5	0.045	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:01VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	79.3	10-99		%	0.95694		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2-Fluorophenol [‡]	20.1	15-96		%	0.95694		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Nitrobenzene-d5 [‡]	78.7	11-102		%	0.95694		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Phenol-d6 [‡]	29.2	9-103		%	0.95694		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
p-Terphenyl-d14 [‡]	122	25-123		%	0.95694		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2,4,6-Tribromophenol [‡]	21.3	17-97		%	0.95694		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Acenaphthene	ND	0.96	0.50	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Acenaphthylene	ND	0.96	0.39	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Anthracene	ND	0.96	0.43	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Benzidine	ND	9.6	1.8	ug/L	0.95694	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Benzo(a)anthracene	ND	0.96	0.43	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Benzo(b)fluoranthene	ND	0.96	0.37	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Benzo(k)fluoranthene	ND	0.96	0.50	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Benzo(g,h,i)perylene	ND	0.96	0.40	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Benzo(a)pyrene	ND	0.96	0.40	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
4-Bromophenylphenylether	ND	0.96	0.46	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
bis(2-Chloroethoxy)methane	ND	0.96	0.56	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
bis(2-Chloroethyl)ether	ND	0.96	0.52	ug/L	0.95694	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
bis(2-Chloroisopropyl)ether	ND	0.96	0.53	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
bis(2-Ethylhexyl)phthalate	1.35	1.9	0.41	ug/L	0.95694	Jb	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2-Chloronaphthalene	ND	0.96	0.63	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
4-Chlorophenylphenylether	ND	0.96	0.62	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Chrysene	ND	0.96	0.51	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Dibenzo(a,h)anthracene	ND	0.96	0.37	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Di-n-butylphthalate	0.362	1.9	0.35	ug/L	0.95694	J	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
1,2-Dichlorobenzene	ND	0.96	0.47	ug/L	0.95694	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
1,3-Dichlorobenzene	ND	0.96	0.45	ug/L	0.95694	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
1,4-Dichlorobenzene	ND	0.96	0.47	ug/L	0.95694	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
3,3'-Dichlorobenzidine	ND	0.96	0.43	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Diethylphthalate	ND	0.96	0.34	ug/L	0.95694	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Dimethylphthalate	ND	0.96	0.31	ug/L	0.95694	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
4,6-Dinitro-2-methylphenol	ND	0.96	0.43	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2,4-Dinitrophenol	ND	4.8	0.22	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2,4-Dinitrotoluene	ND	0.96	0.49	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2,6-Dinitrotoluene	ND	0.96	0.55	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Di-n-octylphthalate	ND	0.96	0.31	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Fluoranthene	ND	0.96	0.44	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Fluorene	ND	0.96	0.62	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Hexachlorobenzene	ND	0.96	0.47	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Hexachlorobutadiene	ND	0.96	0.45	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Hexachlorocyclopentadiene	ND	0.96	0.24	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Hexachloroethane	ND	0.96	0.43	ug/L	0.95694	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Indeno(1,2,3-c,d)pyrene	ND	0.96	0.38	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Isophorone	ND	0.96	0.41	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Naphthalene	ND	0.96	0.55	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Nitrobenzene	ND	0.96	0.47	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.95694	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
N-Nitrosodiphenylamine	ND	0.96	0.74	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
N-Nitrosodi-n-propylamine	ND	0.96	0.53	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Phenanthrene	ND	0.96	0.50	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Phenol	ND	0.96	0.88	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Pyrene	ND	0.96	0.46	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
Pyridine	ND	9.6	0.32	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
1,2,4-Trichlorobenzene	ND	0.96	0.48	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2,4,6-Trichlorophenol	ND	0.96	0.90	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
1,2-Diphenylhydrazine	ND	0.96	0.47	ug/L	0.95694	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.95694	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-22:26SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.7	0.91	ng/L	0.93897	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Beta BHC	ND	4.7	1.5	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Delta BHC	ND	4.7	1.8	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Dieldrin	ND	4.7	1.5	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Endrin	ND	4.7	1.3	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.7	1.8	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Heptachlor	ND	4.7	1.8	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
trans-Nonachlor	ND	47	1.2	ng/L	0.93897	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
Tetrachloro-m-xylene [‡]	69.8	26-90		%	0.93897		625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:06SG
TOC ^{AVT:14}												
TOC	0.310	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-20:43AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 14, 2016

Lab ID : SP 1611199-007

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-11:30

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-MW09

Project : Malibu WWTP - Baseline GWM

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	0.000 ± 3.11	5.22	pCi/L	15	1	900.0	211777	09/30/16 07:00	900.0	214474-GP215	10/05/16-06:00caa
Gross Beta	9.55 ± 2.93	3.21	pCi/L	50		900.0	211777	09/30/16 07:00	900.0	214439-GP218	10/04/16-10:00caa
Strontium 90	0.000 ± 0.695	0.491	pCi/L	8		905.0	211658	09/27/16 19:30	905.0	214239-GP217	09/29/16-11:40caa
Total Alpha Radium (226)	0.389 ± 0.242	0.470	pCi/L	3		903.0	211720	09/28/16 18:30	903.0	214423-GP216	10/03/16-10:00caa
Tritium	207 ± 264	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/27/16-02:00caa
Uranium	1.93 ± 1.03	0.300	pCi/L	20		908.0	211585	09/27/16 07:30	908.0	214183-GP220	09/28/16-18:18caa
Ra 228	0.130 ± 0.449	0.253	pCi/L	2		Ra - 05	211657	10/03/16 18:00	Ra - 05	214499-GP218	10/04/16-19:30caa
DQF Flags Definition:											
1 The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 14, 2016

Lab ID : SP 1611199-008

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-08:30

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : TY-MW-1

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 P:1'S												
Total Hardness as CaCO3	1140	2.5	0.13	mg/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Calcium	259	1	0.13	mg/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Magnesium	121	1	0.0081	mg/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Potassium	12.3	1	0.037	mg/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Sodium	131	1	0.17	mg/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Total Cations	28.9	0.1	0.13	meq/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Boron	0.286	0.05	0.00089	mg/L	1	U	200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Copper	14.3	10	1.1	ug/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Iron	5130	50	2.3	ug/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Manganese	134	10	0.13	ug/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Zinc	95.3	20	3.2	ug/L	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
SAR	1.68	0.1	0.13	--	1		200.7	211949	10/04/16 06:00	200.7	214498-IT203	10/04/16-18:13AC
Total Alkalinity (as CaCO3)	430	10	1.1	mg/L	1		2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-10:35AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-10:35AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-10:35AMB
Bicarbonate as HCO3	525	10	1.1	mg/L	1.000		2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-10:35AMB
Sulfate	610	10	0.015	mg/L	10		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-14:04MCA
Chloride	396	10	0.0045	mg/L	10		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-14:04MCA
Nitrate as NO3	0.218	0.4	0.0032	mg/L	1	J	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:46MCA
Nitrite as N	ND	0.1	0.0010	mg/L	1	U	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:46MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral ^{P:15}												
Nitrate + Nitrite as N	0.0500	0.1	0.0032	mg/L	1	J	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:46MCA
Fluoride	0.594	0.1	0.0021	mg/L	1		300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:46MCA
Total Anions	32.5	0.1	1.1	meq/L	1.000	J	2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-10:35AMB
pH	6.82	--	0.0	units	1	T	4500-H B	211504	09/23/16 15:31	4500HB	213872-PH203	09/23/16-15:40JMG
Specific Conductance	3260	1	0.0	umhos/cm	1		2510B	211426	09/22/16 07:50	2510B	213788-EC206	09/22/16-12:38JMG
Total Dissolved Solids	2290	40	5.8	mg/L	1	b	2540CE	211444	09/22/16 14:01	2540C	213845-WT219	09/23/16-10:18CTL
MBAS (foaming agents)	0.0584	0.2	0.0053	mg/L	2	J	5540C	211431	09/21/16 17:15	5540C	213798-UV207	09/21/16-19:35jba
Aggressiveness Index	12.3	1	0.0	--	1		4500-H B	211504	09/23/16 15:31	4500HB	213872-PH203	09/23/16-15:40JMG
Langelier Index (20°C)	0.3	1	0.0	--	1	b	4500-H B	211504	09/23/16 15:31	4500HB	213872-PH203	09/23/16-15:40JMG
Nitrate Nitrogen	0.0500	0.1	0.00080	mg/L	1	J	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:46MCA
Metals, Total ^{P:15}												
Aluminum	2.65	0.1	0.000050	mg/L	10		3010	211956	10/04/16 03:30	200.8	214575-IX202	10/05/16-16:04AC
Antimony	0.000554	0.001	0.000044	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Arsenic	0.00303	0.002	0.000047	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Barium	0.0759	0.0002	0.000026	mg/L	1	hP	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Cadmium	0.000409	0.0002	0.000031	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Chromium	0.0137	0.001	0.000066	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Copper	0.00926	0.001	0.000071	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Lead	0.00143	0.0002	0.000013	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Mercury	0.000118	0.00001	0.000021	mg/L	1		245.1	211963	10/04/16 13:00	245.1	214518-HG204	10/05/16-12:32AC
Nickel	0.0162	0.001	0.000040	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Selenium	0.00718	0.004	0.00017	mg/L	2		3010	211956	10/04/16 03:30	200.8	214575-IX202	10/05/16-15:57AC
Silver	0.000143	0.00025	0.000022	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Thallium	0.0000440	0.0002	0.000018	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Chromium III	0.0133	0.001	0.000066	mg/L	1	b	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:54AC
Wet Chemistry ^{AGT:1}												
BOD	11.5	17	0.19	mg/L	8.6667	JL	5210B	211424	09/22/16 12:46	5210B	214203-O2205	09/27/16-14:12AMM
Chlorine, Total	ND	0.1	0.069	mg/L	1	UT	4500CIG	211467	09/22/16 18:03	4500CIG	213837-UV207	09/22/16-18:35SjN
Chromium VI	0.407	0.1	0.012	ug/L	1	b	218.6	211954	09/30/16 16:50	218.6	214421-IC209	09/30/16-20:30MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{AGT:1}												
Color	<5.00	5	0.0	units	1	U	2120B	211826	09/22/16 11:40	2120B	214266-JMG	09/22/16-12:00JMG
Cyanide, Total	ND	0.004	0.0023	mg/L	1	U	4500CNCE	211863	10/01/16 14:12	4500CNCE	214313-UV207	10/02/16-15:32AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Jb	4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-07:41AMB
Ammonia Nitrogen	0.432	0.2	0.072	mg/L	1		4500NH3G	211524	09/26/16 05:00	4500NH3G	213992-FI207	09/27/16-07:41AMB
Kjeldahl Nitrogen	0.466	0.5	0.19	mg/L	1	Jb	351.2	211513	09/24/16 06:52	EPA351.2	211902-FI206	09/26/16-08:59AMB
Nitrogen, Total as Nitrogen	0.516	0.5	0.19	mg/L	1	Jb	351.2	211513	09/24/16 06:52	EPA351.2	211902-FI206	09/26/16-08:59AMB
Nitrate + Nitrite as N	0.0500	0.1	0.0032	mg/L	1	J	300.0	211443	09/22/16 11:00	300.0	214007-IC210	09/22/16-13:46MCA
Kjeldahl Nitrogen	0.466	0.5	0.19	mg/L	1	Jb	351.2	211513	09/24/16 06:52	EPA351.2	211902-FI206	09/26/16-08:59AMB
Odor	2.00	1	0.0	TON	1		2150B	211833	09/22/16 06:15	2150B	214275-JMG	09/22/16-06:50jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.1111	U	1664A	212024	10/06/16 14:06	1664A	214674-WT215	10/07/16-16:22AMM
Phosphorus, Total	1.64	0.2	0.031	mg/L	2		4500-P B	211772	09/29/16 14:26	4500PE	214191-UV205	09/30/16-12:46SJN
Solids, Total Suspended (TSS)	208	10	0.49	mg/L	10		2540D	211562	09/26/16 18:10	2540D	213987-WT215	09/27/16-09:09jba
Turbidity	18.5	0.2	0.048	NTU	1		2130B	211432	09/23/16 08:05	2130B	213889-TR203	09/23/16-08:09JBA
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	211486	09/23/16 15:00	314.0	213927-IC207	09/24/16-01:38SBL

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.
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. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 14, 2016

Lab ID : SP 1611199-008

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-08:30

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : TY-MW-1

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 VOA:1												
1,3-Dibromopropane [‡]	115	70-130		%	0.96536		504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-12:23SBL
DBCP	ND	0.0097	0.0057	ug/L	0.96536	U	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-12:23SBL
EDB	ND	0.019	0.0027	ug/L	0.96536	Ub	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-12:23SBL
EPA 505 VOA:1												
Tetrachloro-m-xylene [‡]	102	70-130		%	1.0029		505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Alachlor	ND	0.2	0.13	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Aldrin	ND	0.01	0.0040	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Chlordane	ND	0.1	0.041	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Dieldrin	ND	0.01	0.0024	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Endrin	ND	0.01	0.0054	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Heptachlor	ND	0.01	0.0026	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Heptachlor Epoxide	ND	0.01	0.0046	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Hexachlorobenzene	ND	0.01	0.0031	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Hexachlorocyclopentadiene	ND	0.1	0.027	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Methoxychlor	ND	0.1	0.0098	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
Toxaphene	ND	0.5	0.11	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
PCB 1016	ND	0.5	0.22	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
PCB 1221	ND	0.5	0.067	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
PCB 1232	ND	0.5	0.13	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.5	0.14	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
PCB 1248	ND	0.5	0.064	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
PCB 1254	ND	0.5	0.026	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
PCB 1260	ND	0.5	0.055	ug/L	1.0029	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:01SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	83.7	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Prometryne	ND	2	0.095	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/06/16-08:28SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	94.0	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 AGT:1												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-02:30SG
EPA 524.2 VOA:13												
4-Bromofluorobenzene [‡]	101	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,2-Dichlorobenzene-d4 [‡]	101	70-130		%	1		524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
Total Trihalomethanes	ND	0.5	0.12	ug/L	1	U	524.2	211698	09/27/16 08:00	524.2	214096-GM215	09/27/16-20:23VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:58SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:58SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:58SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:58SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:58SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:58SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:58SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-07:58SG
EPA 547 AGT:1												
Glyphosate	ND	20	0.97	ug/L	1	U	547	211419	09/21/16 16:35	547	213777-LC204	09/22/16-16:26SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211622	09/27/16 13:31	548.1	214670-GC220	10/07/16-20:49SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-16:34SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	107	70-130		%	1		552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:54SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:54SBL
Chloroacetic Acid	0.983	2	0.28	ug/L	1	Jbh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:54SBL
Dibromoacetic Acid	0.913	1	0.25	ug/L	1	Jbh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:54SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	Uh	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:54SBL
Trichloroacetic Acid	0.524	1	0.39	ug/L	1	Jb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:54SBL
Haloacetic acids (five)	2.42	1	0.55	ug/L	1	hJb	552	211501	09/23/16 15:50	552.2	213970-GC219	09/28/16-04:54SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	21.4	15-143		%	0.93458		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
Chlordane	ND	1.9	0.32	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
PCB 1221	ND	0.47	0.084	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
PCB 1248	ND	0.47	0.064	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:06SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	90.0	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Fluorobenzene [‡]	87.5	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Pentafluorobenzene [‡]	75.0	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Chloroform	ND	0.5	0.045	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-18:29VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	62.8	10-99		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2-Fluorophenol [‡]	90.0	15-96		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Nitrobenzene-d5 [‡]	67.0	11-102		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Phenol-d6 [‡]	79.1	9-103		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
p-Terphenyl-d14 [‡]	43.5	25-123		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2,4,6-Tribromophenol [‡]	76.5	17-97		%	0.94787		625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Acenaphthene	ND	0.95	0.50	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Acenaphthylene	ND	0.95	0.39	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Anthracene	ND	0.95	0.43	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Benzidine	ND	9.5	1.8	ug/L	0.94787	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Benzo(a)anthracene	ND	0.95	0.43	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Benzo(b)fluoranthene	ND	0.95	0.37	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Benzo(k)fluoranthene	ND	0.95	0.50	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Benzo(g,h,i)perylene	ND	0.95	0.40	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Benzo(a)pyrene	ND	0.95	0.40	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
4-Bromophenylphenylether	ND	0.95	0.46	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
bis(2-Chloroethoxy)methane	ND	0.95	0.56	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
bis(2-Chloroethyl)ether	ND	0.95	0.52	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
bis(2-Chloroisopropyl)ether	ND	0.95	0.53	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
bis(2-Ethylhexyl)phthalate	1.02	1.9	0.41	ug/L	0.94787	Jb	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2-Chloronaphthalene	ND	0.95	0.63	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
4-Chlorophenylphenylether	ND	0.95	0.62	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Chrysene	ND	0.95	0.51	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Dibenzo(a,h)anthracene	ND	0.95	0.37	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Di-n-butylphthalate	0.430	1.9	0.35	ug/L	0.94787	J	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
1,2-Dichlorobenzene	ND	0.95	0.47	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
1,3-Dichlorobenzene	ND	0.95	0.45	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
1,4-Dichlorobenzene	ND	0.95	0.47	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
3,3'-Dichlorobenzidine	ND	0.95	0.43	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Diethylphthalate	ND	0.95	0.34	ug/L	0.94787	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Dimethylphthalate	ND	0.95	0.31	ug/L	0.94787	UL	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
4,6-Dinitro-2-methylphenol	ND	0.95	0.43	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2,4-Dinitrotoluene	ND	0.95	0.49	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2,6-Dinitrotoluene	ND	0.95	0.55	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Di-n-octylphthalate	ND	0.95	0.31	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Fluoranthene	ND	0.95	0.44	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Fluorene	ND	0.95	0.62	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Hexachlorobenzene	ND	0.95	0.47	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Hexachlorobutadiene	ND	0.95	0.45	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Hexachlorocyclopentadiene	ND	0.95	0.24	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Hexachloroethane	ND	0.95	0.43	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Indeno(1,2,3-c,d)pyrene	ND	0.95	0.38	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Isophorone	ND	0.95	0.41	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Naphthalene	ND	0.95	0.55	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Nitrobenzene	ND	0.95	0.47	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
N-Nitrosodiphenylamine	ND	0.95	0.74	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
N-Nitrosodi-n-propylamine	ND	0.95	0.53	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Phenanthrene	ND	0.95	0.50	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Phenol	ND	0.95	0.88	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Pyrene	ND	0.95	0.46	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
Pyridine	ND	9.5	0.32	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
1,2,4-Trichlorobenzene	ND	0.95	0.48	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2,4,6-Trichlorophenol	ND	0.95	0.90	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
1,2-Diphenylhydrazine	ND	0.95	0.47	ug/L	0.94787	UH	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.94787	U	625	211391	09/21/16 17:30	625	214342-GM213	09/30/16-23:16SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.7	0.91	ng/L	0.93458	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Beta BHC	ND	4.7	1.5	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Delta BHC	ND	4.7	1.8	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Dieldrin	ND	4.7	1.5	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Endrin	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.7	1.8	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Heptachlor	ND	4.7	1.8	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
trans-Nonachlor	ND	47	1.2	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
Tetrachloro-m-xylene [‡]	65.4	26-90		%	0.93458		625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-00:48SG
TOC ^{AVT:14}												
TOC	0.915	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-21:00AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 14, 2016

Rincon Consultants, Inc.

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

Description : TY-MW-1
 Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1611199-008

Customer ID : 2-25173

Sampled On : September 21, 2016-08:30

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	2.59 ± 3.34	4.89	pCi/L	15	1	900.0	211777	09/30/16 07:00	900.0	214474-GP215	10/05/16-07:00caa
Gross Beta	11.8 ± 2.71	2.54	pCi/L	50		900.0	211777	09/30/16 07:00	900.0	214440-GP219	10/04/16-12:00caa
Strontium 90	0.000 ± 0.703	0.491	pCi/L	8		905.0	211658	09/27/16 19:30	905.0	214239-GP217	09/29/16-12:00caa
Total Alpha Radium (226)	0.000 ± 0.117	0.470	pCi/L	3		903.0	211720	09/28/16 18:30	903.0	214423-GP216	10/03/16-10:20caa
Tritium	167 ± 263	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/27/16-03:00caa
Uranium	2.03 ± 1.05	0.300	pCi/L	20		908.0	211585	09/27/16 07:30	908.0	214183-GP220	09/28/16-18:42caa
Ra 228	0.000 ± 0.399	0.200	pCi/L	2		Ra - 05	211657	10/03/16 18:00	Ra - 05	214503-GP219	10/04/16-19:10caa
DQF Flags Definition:											
1 The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 14, 2016

Rincon Consultants, Inc.

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

Lab ID : SP 1611199-010

Customer ID : 2-25173

Sampled On : September 21, 2016-09:40

Sampled By : Rincon (Field)

Received On : September 21, 2016-15:40

Matrix : Monitoring Well

Description : SMBRP-13

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
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	211440	09/22/16 10:30	4500NO3F	213832-FI207	09/22/16-12:35JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	211462	09/22/16 10:30	4500NO3F	213830-FI207	09/22/16-12:33JDD
Nitrogen, Organic	0.264	0.5	0.072	mg/L	1	J	4500NH3G	211784	09/30/16 03:50	4500NH3G	214218-FI207	09/30/16-06:58AMB
Ammonia Nitrogen	0.161	0.2	0.072	mg/L	1	J	4500NH3G	211784	09/30/16 03:50	4500NH3G	214218-FI207	09/30/16-06:58AMB
Kjeldahl Nitrogen	0.425	0.5	0.32	mg/L	1	J	351.2	211529	09/26/16 08:50	EPA351.2	213984-FI206	09/27/16-08:34AMB
Phosphorus, Total	0.0530	0.1	0.031	mg/L	1	J	4500-P B	211772	09/29/16 14:26	4500PE	214191-UV205	09/30/16-12:47SJN
Total Dissolved Solids (TFR)	3320	34	5.8	mg/L	1.7	b	2540CE	211444	09/22/16 14:01	2540C	213845-WT219	09/23/16-10:20CTL
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. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
 Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dibromoethane(EDB)	504	09/27/16:211607SBL (STK1652078-001)	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2487	97.6 %	70-130	
			LCS	ug/L	0.2514	102 %	70-130	
			MS	ug/L	0.2456	114 %	70-130	
			MSD	ug/L	0.2400	106 %	70-130	
			MSRPD	ug/L	0.5632	8.9%	≤30	
			QMDL	ug/L	0.01984	127 %	60-140	
1,3-Dibromopropane	504	09/27/16:211607SBL (STK1652078-001)	Blank	ug/L	0.5815	107 %	70-130	
			LCS	ug/L	0.5837	103 %	70-130	
			LCS	ug/L	0.5901	105 %	70-130	
			MS	ug/L	0.5764	106 %	70-130	
			MSD	ug/L	0.5632	107 %	70-130	
			MSRPD	ug/L	0.5632	1.8%	≤30	
			QMDL	ug/L	0.5864	126 %	70-130	
DBCP	504	09/27/16:211607SBL (STK1652078-001)	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.2487	79.8 %	70-130	
			LCS	ug/L	0.2514	84.2 %	70-130	
			MS	ug/L	0.2456	76.5 %	70-130	
			MSD	ug/L	0.2400	79.3 %	70-130	
			MSRPD	ug/L	0.5632	1.3%	≤30	
			QMDL	ug/L	0.01984	71.1 %	60-140	
13DBP	504.1	09/28/16:214053SBL	CCV	ug/L	9.975	113 %	70-130	
			CCV	ug/L	7.481	126 %	70-130	
DBCP	504.1	09/28/16:214053SBL	CCV	ug/L	5.000	89.2 %	70-130	
			CCV	ug/L	2.000	88.0 %	70-130	
EDB	504.1	09/28/16:214053SBL	CCV	ug/L	5.000	104 %	70-130	
			CCV	ug/L	2.000	101 %	70-130	
Alachlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.2	
	505	09/27/16:213930SBL	CCV	ug/L	100.0	108 %	70-130	
			CCV	ug/L	150.0	93.5 %	70-130	
Aldrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.075	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	125 %	70-130	
			CCV	ug/L	15.00	98.6 %	70-130	
Chlordane	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
Dieldrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	90.2 %	70-130	
			CCV	ug/L	15.00	81.0 %	70-130	
Endrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	87.2 %	70-130	
			CCV	ug/L	15.00	81.3 %	70-130	
Heptachlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	110 %	70-130	
			CCV	ug/L	15.00	93.7 %	70-130	
Heptachlor Epoxide	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	102 %	70-130	
			CCV	ug/L	15.00	104 %	70-130	
Hexachlorobenzene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	110 %	70-130	
			CCV	ug/L	15.00	94.9 %	70-130	
Hexachlorocyclopentadiene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	109 %	70-130	
			CCV	ug/L	15.00	98.7 %	70-130	
Lindane	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.05	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	93.1 %	70-130	
			CCV	ug/L	15.00	84.7 %	70-130	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Methoxychlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
	505	09/27/16:213930SBL	CCV CCV	ug/L ug/L	50.00 75.00	97.1 % 92.7 %	70-130 70-130	
PCB 1016/1242 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1242	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	505	09/26/16:211552JOM (STK1651769-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	1.106 1.142 1.196 1.176 1.176	99.3 % 99.4 % 103 % 1.1 % 196%	70-130 70-130 N/A N/A ≤30.0	435
	505	09/27/16:213930SBL	CCV CCV	ug/L ug/L	20.02 30.03	123 % 100 %	70-130 70-130	
Toxaphene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
Alachlor	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 2.500 12.50	ND 87.4 % 103 % 87.3 % 0.38	<1 70-130 47-147 47-147 ≤1	
	507	10/06/16:214531SG	CCV CCV CCV	ug/L ug/L ug/L	500.0 1000 500.0	104 % 105 % 105 %	80-120 80-120 80-120	
Atrazine	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 2.500 12.50	ND 101 % 86.5 % 92.4 % 0.15	<0.5 70-130 52-154 52-154 ≤0.5	
	507	10/06/16:214531SG	CCV CCV CCV	ug/L ug/L ug/L	500.0 1000 500.0	101 % 95.0 % 95.5 %	80-120 80-120 80-120	
Bromacil	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 2.500 12.50	ND 100 % 132 % 99.6 % 0.81	<2 70-130 38-170 38-170 ≤2	
	507	10/06/16:214531SG	CCV CCV CCV	ug/L ug/L ug/L	500.0 1000 500.0	96.1 % 90.7 % 119 %	80-120 80-120 80-120	
Butachlor	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 2.500 12.50	ND 118 % 92.6 % 111 % 17.9%	<0.38 70-130 37-150 37-150 ≤53.8	
	507	10/06/16:214531SG	CCV CCV CCV	ug/L ug/L ug/L	500.0 1000 500.0	117 % 109 % 85.7 %	80-120 80-120 80-120	
Cyanazine	507	09/28/16:211665SG	Blank LCS BS BSD	ug/L ug/L ug/L ug/L	2.500 2.500 2.500 2.500	ND 105 % 119 % 98.0 %	<0.5 70-130 41-152 41-152	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Cyanazine	507	09/28/16:211665SG	BSRPD	ug/L	12.50	19.5%	≤30	
	507	10/06/16:214531SG	CCV	ug/L	500.0	115 %	80-120	
			CCV	ug/L	1000	94.5 %	80-120	
Diazinon			CCV	ug/L	500.0	96.6 %	80-120	
	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	75.8 %	70-130	
			BS	ug/L	2.500	68.4 %	56-128	
			BSD	ug/L	2.500	68.4 %	56-128	
			BSRPD	ug/L	12.50	0.0019	≤2	
Dimethoate	507	10/06/16:214531SG	CCV	ug/L	500.0	97.5 %	80-120	
			CCV	ug/L	1000	84.4 %	80-120	
			CCV	ug/L	500.0	103 %	80-120	
	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	106 %	70-130	
			BS	ug/L	2.500	88.7 %	49-168	
EPN/Triphenylphosphate			BSD	ug/L	2.500	94.4 %	49-168	
			BSRPD	ug/L	12.50	0.14	≤2	
	507	10/06/16:214531SG	CCV	ug/L	500.0	102 %	80-120	
			CCV	ug/L	1000	104 %	80-120	
			CCV	ug/L	500.0	104 %	80-120	
	507	09/28/16:211665SG	Blank	ug/L	12.50	88.4 %	70-130	
Metolachlor			LCS	ug/L	12.50	94.3 %	70-130	
			BS	ug/L	12.50	82.0 %	70-130	
			BSD	ug/L	12.50	93.0 %	70-130	
			BSRPD	ug/L	12.50	12.6%	≤30	
	507	09/28/16:211665SG	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	116 %	70-130	
Metribuzin			BS	ug/L	2.500	80.4 %	45-154	
			BSD	ug/L	2.500	79.2 %	45-154	
			BSRPD	ug/L	12.50	0.031	≤1	
	507	10/06/16:214531SG	CCV	ug/L	500.0	112 %	80-120	
			CCV	ug/L	1000	117 %	80-120	
			CCV	ug/L	500.0	109 %	80-120	
Metribuzin	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	101 %	70-130	
			BS	ug/L	2.500	76.0 %	30-169	
			BSD	ug/L	2.500	96.5 %	30-169	
			BSRPD	ug/L	12.50	0.51	≤0.5	410
	507	10/06/16:214531SG	CCV	ug/L	500.0	82.4 %	80-120	
Molinate			CCV	ug/L	1000	81.8 %	80-120	
			CCV	ug/L	500.0	86.1 %	80-120	
	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	100 %	70-130	
			BS	ug/L	2.500	81.7 %	19-191	
			BSD	ug/L	2.500	80.3 %	19-191	
Prometryne			BSRPD	ug/L	12.50	0.034	≤2	
	507	10/06/16:214531SG	CCV	ug/L	500.0	114 %	80-120	
			CCV	ug/L	1000	90.4 %	80-120	
			CCV	ug/L	500.0	89.7 %	80-120	
	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	103 %	70-130	
Prometryne			BS	ug/L	2.500	89.2 %	44-152	
			BSD	ug/L	2.500	106 %	44-152	
			BSRPD	ug/L	12.50	0.43	≤2	

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Organic								
Prometryne	507	10/06/16:214531SG	CCV CCV CCV	ug/L ug/L ug/L	500.0 1000 500.0	97.0 % 95.5 % 95.6 %	80-120 80-120 80-120	
Propachlor	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	93.5 %	70-130	
			BS	ug/L	2.500	88.2 %	36-179	
			BSD	ug/L	2.500	101 %	36-179	
	507	10/06/16:214531SG	BSRPD	ug/L	12.50	0.32	≤0.5	
			CCV	ug/L	500.0	116 %	80-120	
			CCV	ug/L	1000	98.0 %	80-120	
			CCV	ug/L	500.0	92.1 %	80-120	
Simazine	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	108 %	70-130	
			BS	ug/L	2.500	95.8 %	49-167	
			BSD	ug/L	2.500	102 %	49-167	
	507	10/06/16:214531SG	BSRPD	ug/L	12.50	0.15	≤0.5	
			CCV	ug/L	500.0	104 %	80-120	
			CCV	ug/L	1000	95.6 %	80-120	
			CCV	ug/L	500.0	95.5 %	80-120	
Thiobencarb	507	09/28/16:211665SG	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	102 %	70-130	
			BS	ug/L	2.500	76.2 %	50-148	
			BSD	ug/L	2.500	92.0 %	50-148	
	507	10/06/16:214531SG	BSRPD	ug/L	12.50	0.40	≤1	
			CCV	ug/L	500.0	96.8 %	80-120	
			CCV	ug/L	1000	93.7 %	80-120	
			CCV	ug/L	500.0	106 %	80-120	
Triphenylphosphate	507	10/06/16:214531SG	CCV	ug/L	2500	114 %	80-120	
			CCV	ug/L	7501	112 %	80-120	
			CCV	ug/L	2500	109 %	80-120	
2,4,5-T	515.3	10/01/16:214256SG	CCV	ug/L	80.00	128 %	70-130	
			CCV	ug/L	40.00	123 %	70-130	
2,4,5-TP (Silvex)	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	129 %	70-130	
			MS	ug/L	4.000	123 %	70-130	
			MSD	ug/L	4.000	120 %	70-130	
	515.3	10/01/16:214256SG	MSRPD	ug/L	20.00	0.15	≤1	
			CCV	ug/L	80.00	126 %	70-130	
			CCV	ug/L	40.00	126 %	70-130	
			CCV	ug/L	40.00	126 %	70-130	
2,4,5-Trichlorophenoxyacetic A	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	127 %	70-130	
			MS	ug/L	4.000	121 %	70-130	
			MSD	ug/L	4.000	118 %	70-130	
	515.3	10/01/16:214256SG	MSRPD	ug/L	20.00	0.11	≤1	
			CCV	ug/L	80.00	128 %	70-130	
			CCV	ug/L	80.00	119 %	70-130	
			CCV	ug/L	80.00	119 %	70-130	
2,4-D	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<2	
			LCS	ug/L	8.000	129 %	70-130	
			MS	ug/L	8.000	119 %	70-130	
			MSD	ug/L	8.000	120 %	70-130	
	515.3	10/01/16:214256SG	MSRPD	ug/L	20.00	0.089	≤2	
			CCV	ug/L	160.0	128 %	70-130	
			CCV	ug/L	80.00	119 %	70-130	
			CCV	ug/L	80.00	119 %	70-130	
2,4-DCAA	515.3	09/27/16:211634SG	Blank	ug/L	20.00	92.7 %	70-130	
			LCS	ug/L	20.00	107 %	70-130	
			MS	ug/L	20.00	96.5 %	N/A	

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Organic 2,4-DCAA	515.3	(STK1652078-001)	MSD	ug/L	20.00	97.1 %	N/A	
			MSRPD	ug/L	20.00	0.6%	≤30.	
	515.3	10/01/16:214256SG	CCV	ug/L	400.0	103 %	70-130	
			CCV	ug/L	200.0	103 %	70-130	
Bentazon	515.3	09/27/16:211634SG	Blank	ug/L		ND	<2	
			LCS	ug/L	8.000	127 %	70-130	
		(STK1652078-001)	MS	ug/L	8.000	111 %	70-130	
			MSD	ug/L	8.000	107 %	70-130	
			MSRPD	ug/L	20.00	0.31	≤2	
	515.3	10/01/16:214256SG	CCV	ug/L	160.0	115 %	70-130	
			CCV	ug/L	80.00	116 %	70-130	
Dalapon	515.3	09/27/16:211634SG	Blank	ug/L		ND	<10	
			LCS	ug/L	52.00	83.1 %	70-130	
		(STK1652078-001)	MS	ug/L	52.00	103 %	70-130	
			MSD	ug/L	52.00	115 %	70-130	
			MSRPD	ug/L	20.00	10.5%	≤30.0	
	515.3	10/01/16:214256SG	CCV	ug/L	1040	98.2 %	70-130	
			CCV	ug/L	520.0	110 %	70-130	
Dicamba	515.3	09/27/16:211634SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	122 %	70-130	
		(STK1652078-001)	MS	ug/L	4.000	116 %	70-130	
			MSD	ug/L	4.000	114 %	70-130	
			MSRPD	ug/L	20.00	0.045	≤1	
	515.3	10/01/16:214256SG	CCV	ug/L	80.00	124 %	70-130	
			CCV	ug/L	40.00	115 %	70-130	
Dinoseb	515.3	09/27/16:211634SG	Blank	ug/L		ND	<1	
			LCS	ug/L	8.000	128 %	70-130	
		(STK1652078-001)	MS	ug/L	8.000	115 %	70-130	
			MSD	ug/L	8.000	111 %	70-130	
			MSRPD	ug/L	20.00	3.1%	≤30.0	
	515.3	10/01/16:214256SG	CCV	ug/L	160.0	125 %	70-130	
			CCV	ug/L	80.00	126 %	70-130	
Pentachlorophenol	515.3	09/27/16:211634SG	Blank	ug/L		ND	<0.2	
			LCS	ug/L	4.000	130 %	70-130	
		(STK1652078-001)	MS	ug/L	4.000	115 %	70-130	
			MSD	ug/L	4.000	113 %	70-130	
			MSRPD	ug/L	20.00	1.7%	≤30.0	
	515.3	10/01/16:214256SG	CCV	ug/L	80.00	125 %	70-130	
			CCV	ug/L	40.00	121 %	70-130	
Picloram	515.3	09/27/16:211634SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	117 %	70-130	
		(STK1652078-001)	MS	ug/L	4.000	109 %	70-130	
			MSD	ug/L	4.000	110 %	70-130	
			MSRPD	ug/L	20.00	0.043	≤1	
	515.3	10/01/16:214256SG	CCV	ug/L	80.00	123 %	70-130	
			CCV	ug/L	40.00	106 %	70-130	
1,1,1,2-Tetrachloroethane	524.2	09/27/16:211698VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	70.3 %	12-178	
		(SP 1611200-001)	MSD	ug/L	10.00	75.5 %	12-178	
			MSRPD	ug/L	10.00	7.1%	≤39	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	94.7 %	70-130	
1,1,1-Trichloroethane(TCA)	524.2	09/27/16:211698VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	75.3 %	9-176	
		(SP 1611200-001)	MSD	ug/L	10.00	80.2 %	9-176	

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Organic								
1,1,1-Trichloroethane(TCA)	524.2	09/27/16:211698VRG	MSRPD	ug/L	10.00	6.3%	≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.2 %	70-130	
1,1,2,2-Tetrachloroethane	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	75.1 %	23-180	
			MSD	ug/L	10.00	83.0 %	23-180	
			MSRPD	ug/L	10.00	10.0%	≤34	
1,1,2-Trichloroethane	524.2	09/27/16:214096VRG (SP 1611200-001)	CCV	ug/L	10.00	98.5 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.5 %	25-173	
			MSD	ug/L	10.00	80.3 %	25-173	
1,1-Dichloroethane	524.2	09/27/16:214096VRG (SP 1611200-001)	MSRPD	ug/L	10.00	11.6%	≤29	
			CCV	ug/L	10.00	98.6 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.1 %	15-161	
1,1-Dichloroethylene	524.2	09/27/16:211698VRG (SP 1611200-001)	MSD	ug/L	10.00	73.3 %	15-161	
			MSRPD	ug/L	10.00	7.3%	≤36	
			CCV	ug/L	10.00	91.8 %	70-130	
			Blank	ug/L		ND	<0.5	
1,1-Dichloropropene	524.2	09/27/16:211698VRG (SP 1611200-001)	MS	ug/L	10.00	62.9 %	0-162	
			MSD	ug/L	10.00	68.2 %	0-162	
			MSRPD	ug/L	10.00	8.2%	≤33	
			CCV	ug/L	10.00	78.6 %	70-130	
1,2,3-Trichlorobenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.0 %	14-181	
			MSD	ug/L	10.00	72.2 %	14-181	
			MSRPD	ug/L	10.00	6.0%	≤34	
1,2,4-Trichlorobenzene	524.2	09/27/16:214096VRG (SP 1611200-001)	CCV	ug/L	10.00	94.2 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	66.7 %	10-180	
			MSD	ug/L	10.00	66.3 %	10-180	
1,2,4-Trimethylbenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	MSRPD	ug/L	10.00	0.6%	≤32	
			CCV	ug/L	10.00	84.8 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.0 %	2-192	
1,2-Dichlorobenzene	524.2	09/27/16:214096VRG (SP 1611200-001)	MSD	ug/L	10.00	71.7 %	2-192	
			MSRPD	ug/L	10.00	5.4%	≤39	
			CCV	ug/L	10.00	93.0 %	70-130	
			Blank	ug/L		ND	<0.5	
1,2-Dichlorobenzene-d4	524.2	09/27/16:211698VRG (SP 1611200-001)	MS	ug/L	10.00	74.7 %	13-191	
			MSD	ug/L	10.00	78.9 %	13-191	
			MSRPD	ug/L	10.00	5.6%	≤35	
			CCV	ug/L	10.00	98.5 %	70-130	
1,2-Dichloroethane (EDC)	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		102 %	70-130	
			MS	ug/L	10.00	108 %	70-130	
			MSD	ug/L	10.00	111 %	70-130	
			MSRPD	ug/L	10.00	3.2%	≤20	
1,2-Dichloroethane (EDC)	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	107 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	72.6 %	18-162	

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Organic								
1,2-Dichloroethane (EDC)	524.2	(SP 1611200-001)	MSD	ug/L	10.00	80.6 %	18-162	
			MSRPD	ug/L	10.00	10.5%	≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	97.0 %	70-130	
1,2-Dichloropropane	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.0 %	10-163	
			MSD	ug/L	10.00	76.2 %	10-163	
			MSRPD	ug/L	10.00	7.1%	≤34	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	95.6 %	70-130	
1,3,5-Trimethylbenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.6 %	0-210	
			MSD	ug/L	10.00	72.5 %	0-210	
			MSRPD	ug/L	10.00	5.5%	≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.9 %	70-130	
1,3-Dichlorobenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	74.6 %	17-182	
			MSD	ug/L	10.00	80.5 %	17-182	
			MSRPD	ug/L	10.00	7.6%	≤39	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	102 %	70-130	
1,3-Dichloropropane	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	74.0 %	0-178	
			MSD	ug/L	10.00	85.3 %	0-178	
			MSRPD	ug/L	10.00	14.3%	≤29	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	104 %	70-130	
1,4-Dichlorobenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	78.6 %	19-183	
			MSD	ug/L	10.00	84.0 %	19-183	
			MSRPD	ug/L	10.00	6.6%	≤37	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	105 %	70-130	
2,2-Dichloropropane	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	65.9 %	0-288	
			MSD	ug/L	10.00	72.9 %	0-288	
			MSRPD	ug/L	10.00	10.1%	≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	88.0 %	70-130	
2-Chlorotoluene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	77.2 %	17-180	
			MSD	ug/L	10.00	82.5 %	17-180	
			MSRPD	ug/L	10.00	6.7%	≤38	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	108 %	70-130	
4-Bromofluorobenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L	10.00	105 %	70-130	
			MS	ug/L	10.00	120 %	70-130	
			MSD	ug/L	10.00	126 %	70-130	
			MSRPD	ug/L	10.00	5.3%	≤30	
4-Bromofluorobenzene (BFB)	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	118 %	70-130	
4-Chlorotoluene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	70.2 %	11-177	
			MSD	ug/L	10.00	75.8 %	11-177	
			MSRPD	ug/L	10.00	7.6%	≤41	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	94.4 %	70-130	
Benzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.8 %	12-158	
			MSD	ug/L	10.00	74.9 %	12-158	
			MSRPD	ug/L	10.00	8.4%	≤36	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	93.3 %	70-130	
Bromobenzene	524.2	09/27/16:211698VRG	Blank	ug/L		ND	<0.5	

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Organic Bromobenzene	524.2	(SP 1611200-001)	MS	ug/L	10.00	72.5 %	23-177	
			MSD	ug/L	10.00	77.6 %	23-177	
			MSRPD	ug/L	10.00	6.7%	<40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	96.9 %	70-130	
Bromochloromethane	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.2 %	4-186	
			MSD	ug/L	10.00	73.4 %	4-186	
			MSRPD	ug/L	10.00	7.4%	<30	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.2 %	70-130	
Bromodichloromethane	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	85.9 %	11-164	
			MSD	ug/L	10.00	89.2 %	11-164	
			MSRPD	ug/L	10.00	3.8%	<34	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	109 %	70-130	
Bromoform	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	110 %	0-235	
			MSD	ug/L	10.00	115 %	0-235	
			MSRPD	ug/L	10.00	4.3%	<39	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	129 %	70-130	
Bromomethane (Methyl Bromide)	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	19.9 %	0-196	
			MSD	ug/L	40.00	29.2 %	0-196	
			MSRPD	ug/L	10.00	38.0%	<40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	125 %	70-130	
Carbon Tetrachloride	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.6 %	5-175	
			MSD	ug/L	10.00	77.5 %	5-175	
			MSRPD	ug/L	10.00	7.9%	<32	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.2 %	70-130	
Chlorobenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	69.3 %	14-175	
			MSD	ug/L	10.00	77.6 %	14-175	
			MSRPD	ug/L	10.00	11.4%	<35	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	95.5 %	70-130	
Chloroethane (Ethyl Chloride)	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	17.6 %	0-184	
			MSD	ug/L	40.00	23.4 %	0-184	
			MSRPD	ug/L	10.00	28.1%	<40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.3 %	70-130	
Chloroform	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	76.9 %	15-163	
			MSD	ug/L	10.00	82.5 %	15-163	
			MSRPD	ug/L	10.00	7.1%	<36	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	101 %	70-130	
Chloromethane(Methyl Chloride)	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	18.0 %	0-224	
			MSD	ug/L	40.00	25.5 %	0-224	
			MSRPD	ug/L	10.00	34.5%	<39	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	106 %	70-130	
cis-1,2-Dichloroethylene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	66.0 %	16-172	
			MSD	ug/L	10.00	72.7 %	16-172	
			MSRPD	ug/L	10.00	9.8%	<34	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	91.5 %	70-130	

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Organic cis-1,3-Dichloropropene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	73.4 %	5-158	
			MSD	ug/L	10.00	82.4 %	5-158	
			MSRPD	ug/L	10.00	11.5%	≤38	
Dibromochloromethane	524.2	09/27/16:211698VRG (SP 1611200-001)	CCV	ug/L	10.00	98.4 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.2 %	1-180	
			MSD	ug/L	10.00	105 %	1-180	
Dibromomethane	524.2	09/27/16:211698VRG (SP 1611200-001)	MSRPD	ug/L	10.00	6.6%	≤34	
			CCV	ug/L	10.00	120 %	70-130	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	73.8 %	11-168	
Dichlorodifluoromethane	524.2	09/27/16:211698VRG (SP 1611200-001)	MSD	ug/L	10.00	78.4 %	11-168	
			MSRPD	ug/L	10.00	6.0%	≤28	
			CCV	ug/L	10.00	95.6 %	70-130	
			Blank	ug/L		ND	<0.5	
Dichloromethane	524.2	09/27/16:211698VRG (SP 1611200-001)	MS	ug/L	40.00	12.8 %	0-334	
			MSD	ug/L	40.00	18.7 %	0-334	
			MSRPD	ug/L	10.00	37.0%	≤39	
			CCV	ug/L	10.00	70.8 %	70-130	
Ethyl tert-Butyl Ether	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	66.4 %	20-157	
			MSD	ug/L	10.00	72.8 %	20-157	
			MSRPD	ug/L	10.00	9.2%	≤36	
Ethylbenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	104 %	11-165	
			MSD	ug/L	10.00	120 %	11-165	
			MSRPD	ug/L	10.00	1.7	≤3	
Freon-11	524.2	09/27/16:211698VRG (SP 1611200-001)	CCV	ug/L	10.00	144 %	70-130	360
			Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	20.5 %	0-232	
			MSD	ug/L	40.00	29.7 %	0-232	
Hexachlorobutadiene	524.2	09/27/16:211698VRG (SP 1611200-001)	MSRPD	ug/L	10.00	36.5%	≤35	435
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.6 %	14-200	
			MSD	ug/L	10.00	69.9 %	14-200	
Isopropyl Ether	524.2	09/27/16:211698VRG (SP 1611200-001)	MSRPD	ug/L	10.00	2.0%	≤40	
			CCV	ug/L	10.00	88.7 %	70-130	
			Blank	ug/L		ND	<3	
			MS	ug/L	10.00	92.2 %	8-165	
Isopropylbenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	MSD	ug/L	10.00	97.5 %	8-165	
			MSRPD	ug/L	10.00	0.54	≤3	
			CCV	ug/L	10.00	118 %	70-130	
			Blank	ug/L		ND	<0.5	
Methyl tert-Butyl Ether	524.2	09/27/16:211698VRG (SP 1611200-001)	MS	ug/L	10.00	63.2 %	4-159	
			MSD	ug/L	10.00	67.1 %	4-159	
			MSRPD	ug/L	10.00	6.0%	≤37	
			CCV	ug/L	10.00	84.6 %	70-130	
Methyl tert-Butyl Ether	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	133 %	70-130	360

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Organic								
Methyl tert-Butyl Ether (MTBE)	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	102 %	11-168	
			MSD	ug/L	10.00	113 %	11-168	
			MSRPD	ug/L	10.00	9.8%	≤29	
Methylene Chloride	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.4 %	70-130	
Naphthalene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	59.5 %	0-189	
			MSD	ug/L	10.00	61.3 %	0-189	
			MSRPD	ug/L	10.00	2.9%	≤32	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	76.7 %	70-130	
n-Butylbenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.5 %	4-186	
			MSD	ug/L	10.00	69.8 %	4-186	
			MSRPD	ug/L	10.00	1.8%	≤37	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.7 %	70-130	
n-Propylbenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	64.5 %	0-174	
			MSD	ug/L	10.00	70.4 %	0-174	
			MSRPD	ug/L	10.00	8.8%	≤37	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.4 %	70-130	
p-Isopropyltoluene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	67.3 %	0-193	
			MSD	ug/L	10.00	70.2 %	0-193	
			MSRPD	ug/L	10.00	4.3%	≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.3 %	70-130	
sec-Butylbenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.1 %	0-177	
			MSD	ug/L	10.00	71.0 %	0-177	
			MSRPD	ug/L	10.00	4.2%	≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	89.8 %	70-130	
Styrene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	63.7 %	0-198	
			MSD	ug/L	10.00	66.3 %	0-198	
			MSRPD	ug/L	10.00	4.0%	≤37	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	87.2 %	70-130	
TAME	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	125 %	15-162	
			MSD	ug/L	10.00	139 %	15-162	
			MSRPD	ug/L	10.00	1.3	≤3	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	167 %	70-130	360
tert-Butylbenzene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	65.6 %	9-179	
			MSD	ug/L	10.00	68.8 %	9-179	
			MSRPD	ug/L	10.00	4.7%	≤38	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	86.2 %	30-130	
Tetrachloroethylene (PCE)	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.0 %	14-186	
			MSD	ug/L	10.00	74.0 %	14-186	
			MSRPD	ug/L	10.00	4.0%	≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	93.3 %	70-130	
Toluene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	71.3 %	3-174	
			MSD	ug/L	10.00	77.1 %	3-174	
			MSRPD	ug/L	10.00	7.8%	≤37	

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Organic								
Toluene	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	98.3 %	30-130	
trans-1,2-Dichloroethylene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	62.3 %	5-165	
			MSD	ug/L	10.00	66.4 %	5-165	
			MSRPD	ug/L	10.00	6.4%	≤40	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	80.6 %	70-130	
trans-1,3-Dichloropropene	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	72.9 %	0-169	
			MSD	ug/L	10.00	81.3 %	0-169	
			MSRPD	ug/L	10.00	11.0%	≤31	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	99.1 %	70-130	
Trichloroethylene (TCE)	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	67.5 %	11-167	
			MSD	ug/L	10.00	72.1 %	11-167	
			MSRPD	ug/L	10.00	6.6%	≤35	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	87.6 %	70-130	
Trichlorofluoromethane F-11	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	113 %	70-130	
Trichlorotrifluoroethane F-113	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	70.8 %	0-183	
			MSD	ug/L	10.00	75.6 %	0-183	
			MSRPD	ug/L	10.00	6.5%	≤33	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	83.4 %	70-130	
Vinyl Chloride	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	22.0 %	0-208	
			MSD	ug/L	40.00	33.5 %	0-208	
			MSRPD	ug/L	10.00	41.4%	≤40	435
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	132 %	30-130	360
Xylenes m,p	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	20.00	64.7 %	0-193	
			MSD	ug/L	20.00	70.2 %	0-193	
			MSRPD	ug/L	10.00	8.1%	≤37	
	524.2	09/27/16:214096VRG	CCV	ug/L	20.00	90.5 %	70-130	
Xylenes o	524.2	09/27/16:211698VRG (SP 1611200-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	62.9 %	0-188	
			MSD	ug/L	10.00	65.4 %	0-188	
			MSRPD	ug/L	10.00	3.9%	≤36	
	524.2	09/27/16:214096VRG	CCV	ug/L	10.00	85.6 %	70-130	
3-Hydroxycarbofuran	531.1	09/28/16:211702SG (STK1651142-001)	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	82.8 %	80-120	
			MS	ug/L	20.00	93.2 %	65-135	
			MSD	ug/L	20.00	81.6 %	65-135	
			MSRPD	ug/L	20.00	13.3%	≤16.8	
	531.1	09/29/16:214102SG	CCV	ug/L	10.00	114 %	80-120	
			CCV	ug/L	20.00	89.8 %	80-120	
			CCV	ug/L	10.00	93.9 %	80-120	
Aldicarb	531.1	09/28/16:211702SG (STK1651142-001)	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	93.0 %	80-120	
			MS	ug/L	20.00	92.4 %	65-135	
			MSD	ug/L	20.00	84.2 %	65-135	
			MSRPD	ug/L	20.00	9.3%	≤11.2	
	531.1	09/29/16:214102SG	CCV	ug/L	10.00	115 %	80-120	
			CCV	ug/L	20.00	89.8 %	80-120	
			CCV	ug/L	10.00	110 %	80-120	
Aldicarb Sulfone	531.1	09/29/16:214102SG	CCV	ug/L	10.00	115 %	80-120	

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Organic								
Aldicarb Sulfone	531.1	09/29/16:214102SG	CCV	ug/L	20.00	107 %	80-120	
			CCV	ug/L	10.00	112 %	80-120	
Aldicarb Sulfone/Sulfoxide	531.1	09/28/16:211702SG	Blank	ug/L		ND	<3	
			Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	107 %	80-120	
			LCS	ug/L	20.00	110 %	80-120	
			MS	ug/L	20.00	95.4 %	65-135	
			MS	ug/L	20.00	110 %	65-135	
		(STK1651142-001)	MSD	ug/L	20.00	104 %	65-135	
		(STK1651142-001)	MSD	ug/L	20.00	87.8 %	65-135	
			MSRPD	ug/L	20.00	8.3%	≤7.28	435
			MSRPD	ug/L	20.00	22.7%	≤13.8	435
Aldicarb Sulfoxide	531.1	09/29/16:214102SG	CCV	ug/L	10.00	111 %	80-120	
			CCV	ug/L	20.00	88.0 %	80-120	
			CCV	ug/L	10.00	88.9 %	80-120	
Carbaryl	531.1	09/29/16:214102SG	CCV	ug/L	10.00	83.4 %	80-120	
			CCV	ug/L	20.00	83.1 %	80-120	
			CCV	ug/L	10.00	89.8 %	80-120	
Carbaryl/Naphthol	531.1	09/28/16:211702SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	85.3 %	80-120	
			MS	ug/L	20.00	86.8 %	65-135	
		(STK1651142-001)	MSD	ug/L	20.00	85.7 %	65-135	
			MSRPD	ug/L	20.00	0.21	≤5	
Carbofuran	531.1	09/28/16:211702SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	84.0 %	80-120	
			MS	ug/L	20.00	90.8 %	65-135	
		(STK1651142-001)	MSD	ug/L	20.00	97.2 %	65-135	
			MSRPD	ug/L	20.00	1.3	≤5	
	531.1	09/29/16:214102SG	CCV	ug/L	10.00	103 %	80-120	
			CCV	ug/L	20.00	86.6 %	80-120	
			CCV	ug/L	10.00	108 %	80-120	
Methomyl	531.1	09/28/16:211702SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	88.1 %	80-120	
			MS	ug/L	20.00	103 %	65-135	
		(STK1651142-001)	MSD	ug/L	20.00	87.0 %	65-135	
			MSRPD	ug/L	20.00	16.5%	≤53.1	
	531.1	09/29/16:214102SG	CCV	ug/L	10.00	99.9 %	80-120	
			CCV	ug/L	20.00	114 %	80-120	
			CCV	ug/L	10.00	104 %	80-120	
Oxamyl	531.1	09/28/16:211702SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	104 %	80-120	
			MS	ug/L	20.00	89.6 %	65-135	
		(STK1651142-001)	MSD	ug/L	20.00	129 %	65-135	
			MSRPD	ug/L	20.00	7.8	≤5	435
	531.1	09/29/16:214102SG	CCV	ug/L	10.00	90.4 %	80-120	
			CCV	ug/L	20.00	93.0 %	80-120	
			CCV	ug/L	10.00	116 %	80-120	
TOC	5310C	09/26/16:211516AMM	Blank	mg/L		ND	<0.3	
			BS	mg/L	15.00	111 %	75-125	
			BSD	mg/L	15.00	110 %	75-125	
			BSRPD	mg/L	15.00	1.5%	≤23.0	
	5310C	09/27/16:214089AMM	CCV	ppm	15.00	109 %	67-122	
			CCV	ppm	15.00	108 %	67-122	
Glyphosate	547	09/21/16:211419SG	Blank	ug/L		ND	<20	

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Organic Glyphosate	547	09/21/16:211419SG (SP 1611142-001)	LCS	ug/L	200.0	101 %	71-129	
			MS	ug/L	200.0	102 %	56-139	
			MSD	ug/L	200.0	99.3 %	56-139	
			MSRPD	ug/L	200.0	3.0%	≤15	
Endothall	547	09/22/16:213777SG	CCV	ug/L	100.0	109 %	80-120	
			CCV	ug/L	200.0	102 %	80-120	
			Blank	ug/L		ND	<40	
			LCS	ug/L	66.67	72.5 %	30-96	
	548.1	10/07/16:214670SG	MS	ug/L	66.67	65.1 %	15-87	
			MSD	ug/L	66.67	65.3 %	15-87	
			MSRPD	ug/L	66.67	0.14	≤40	
			CCV	ug/L	2500	88.0 %	70-130	
Diquat Dibromide	549	09/22/16:211450SG (SP 1611142-001)	CCV	ug/L	1000	93.6 %	70-130	
			Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	60.4 %	34-114	
			MS	ug/L	20.00	49.1 %	0-86	
	549.2	09/23/16:213932SG	MSD	ug/L	20.00	48.7 %	0-86	
			MSRPD	ug/L	20.00	0.061	≤2	
			CCV	ug/L	1000	88.7 %	80-120	
			CCV	ug/L	500.0	86.8 %	80-120	
2,3-Dibromopropionic Acid	552	09/23/16:211501SBL (SP 1610913-001)	Blank	ug/L	5.000	111 %	70-130	
			LCS	ug/L	5.000	121 %	70-130	
			MS	ug/L	5.000	124 %	70-130	
			MSD	ug/L	5.000	140 %	70-130	435
Dibromoacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	MSRPD	ug/L	5.000	11.8%	≤20.0	
			Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	96.8 %	70-130	
			MS	ug/L	10.00	129 %	70-130	
Dichloroacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	MSD	ug/L	10.00	184 %	70-130	435
			MSRPD	ug/L	5.000	24.9%	≤20.0	435
			Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	99.2 %	70-130	
Monobromoacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	MS	ug/L	10.00	105 %	70-130	
			MSD	ug/L	10.00	141 %	70-130	435
			MSRPD	ug/L	5.000	23.7%	≤20.0	435
			Blank	ug/L		ND	<1	
Monochloroacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	LCS	ug/L	10.00	97.2 %	70-130	
			MS	ug/L	10.00	107 %	70-130	
			MSD	ug/L	10.00	132 %	70-130	435
			MSRPD	ug/L	5.000	19.4%	≤20.0	
Trichloroacetic Acid	552	09/23/16:211501SBL (SP 1610913-001)	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	107 %	70-130	
			MS	ug/L	10.00	109 %	70-130	
			MSD	ug/L	10.00	135 %	70-130	435
2,3-Dibromopropionic Acid	552.2	09/28/16:213970SBL	MSRPD	ug/L	5.000	19.0%	≤20.0	
			Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	73.9 %	70-130	
			MS	ug/L	10.00	83.2 %	70-130	
Dibromoacetic Acid	552.2	09/28/16:213970SBL	MSD	ug/L	10.00	113 %	70-130	
			MSRPD	ug/L	5.000	28.7%	≤20.0	435
	552.2	09/28/16:213970SBL	CCV	ug/L	50.00	88.5 %	70-130	
			CCV	ug/L	50.00	76.6 %	70-130	
	552.2	09/28/16:213970SBL	CCV	ug/L	150.0	83.7 %	70-130	
			CCV	ug/L	100.0	91.8 %	70-130	

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Organic								
Dichloroacetic Acid	552.2	09/28/16:213970SBL	CCV	ug/L	150.0	85.0 %	70-130	
			CCV	ug/L	100.0	96.5 %	70-130	
Monobromoacetic Acid	552.2	09/28/16:213970SBL	CCV	ug/L	150.0	77.2 %	70-130	
			CCV	ug/L	100.0	87.6 %	70-130	
Monochloroacetic Acid	552.2	09/28/16:213970SBL	CCV	ug/L	150.0	85.3 %	70-130	
			CCV	ug/L	100.0	97.9 %	70-130	
Trichloroacetic Acid	552.2	09/28/16:213970SBL	CCV	ug/L	150.0	71.4 %	70-130	
			CCV	ug/L	100.0	79.6 %	70-130	
Chlordane	608	09/27/16:211539JOM	Blank	ug/L		ND	<2	
PCB 1016 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1242 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	608	09/27/16:211539JOM	Blank	ug/L	0.5005	35.5 %	15-143	
			LCS	ug/L	0.5005	46.0 %	15-143	
			BS	ug/L	0.5005	61.2 %	26-141	
			BSD	ug/L	0.5005	71.8 %	26-141	
			BSRPD	ug/L	0.5005	16.0%	≤29	
	608	09/29/16:214106SBL	CCV	ug/L	100.1	102 %	85-115	
			CCV	ug/L	50.05	108 %	85-115	
			CCV	ug/L	100.1	103 %	85-115	
Toxaphene	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
1,1,1-Trichloroethane(TCA)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	97.6 %	66-191	
			MSD	ug/L	10.00	98.4 %	66-191	
	624	09/22/16:213938VRG	MSRPD	ug/L	10.00	0.8%	≤21	
1,1,2,2-Tetrachloroethane	624	09/22/16:211564VRG (SP 1611120-009)	CCV	ug/L	10.00	86.3 %	75-125	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	30-180	
	624	09/22/16:213938VRG	MSD	ug/L	10.00	119 %	30-180	
1,1,2-Trichloroethane	624	09/22/16:211564VRG (SP 1611120-009)	MSRPD	ug/L	10.00	1.6%	≤19	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	50-146	
	624	09/22/16:213938VRG	MSD	ug/L	10.00	123 %	50-146	
1,1-Dichloroethane	624	09/22/16:211564VRG (SP 1611120-009)	MSRPD	ug/L	10.00	7.5%	≤25	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	147 %	63-159	
	624	09/22/16:213938VRG	MSD	ug/L	10.00	147 %	63-159	
1,1-Dichloroethylene	624	09/22/16:211564VRG (SP 1611120-009)	MSRPD	ug/L	10.00	0.3%	≤22	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	107 %	0-279	
	624	09/22/16:213938VRG	MSD	ug/L	10.00	113 %	0-279	
1,2-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	MSRPD	ug/L	10.00	5.3%	≤36	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	149 %	57-153	
	624	09/22/16:213938VRG	MSD	ug/L	10.00	146 %	57-153	
			MSRPD	ug/L	10.00	1.6%	≤26	

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Organic								
1,2-Dichlorobenzene	624	09/22/16:213938VRG	CCV	ug/L	10.00	127 %	63-137	
1,2-Dichloroethane (EDC)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	56-158	
			MSD	ug/L	10.00	111 %	56-158	
			MSRPD	ug/L	10.00	7.0%	≤24	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	101 %	68-132	
1,2-Dichloropropane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	55-152	
			MSD	ug/L	10.00	126 %	55-152	
			MSRPD	ug/L	10.00	1.9%	≤23	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	114 %	34-166	
1,3-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	150 %	53-159	
			MSD	ug/L	10.00	153 %	53-159	
			MSRPD	ug/L	10.00	1.7%	≤28	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	127 %	73-127	
1,4-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	159 %	53-161	
			MSD	ug/L	10.00	158 %	53-161	
			MSRPD	ug/L	10.00	0.7%	≤27	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	138 %	63-137	360
2-Butanone (MEK)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<40	
			MS	ug/L	100.0	39.9 %	0-211	
			MSD	ug/L	100.0	43.9 %	0-211	
			MSRPD	ug/L	10.00	4.1	≤40	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	49.1 %	20-230	
2-Chloroethylvinyl ether	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<1	
			MS	ug/L	100.0	79.6 %	0-11	435
			MSD	ug/L	100.0	80.4 %	0-11	435
			MSRPD	ug/L	10.00	0.9%	≤3	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	93.7 %	10-224	
2-Hexanone	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	40.3 %	0-190	
			MSD	ug/L	100.0	40.4 %	0-190	
			MSRPD	ug/L	10.00	0.074	≤30	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	52.1 %	20-283	
4-Bromofluorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L	10.00	100 %	70-161	
			MS	ug/L	10.00	101 %	58-151	
			MSD	ug/L	10.00	93.6 %	58-151	
			MSRPD	ug/L	10.00	8.1%	≤14	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	97.4 %	70-130	
4-Methyl-2-pentanone (MIBK)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	48.0 %	0-194	
			MSD	ug/L	100.0	51.5 %	0-194	
			MSRPD	ug/L	10.00	3.5	≤30	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	61.1 %	20-233	
Acetone	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<25	
			MS	ug/L	100.0	61.9 %	0-270	
			MSD	ug/L	100.0	62.0 %	0-270	
			MSRPD	ug/L	10.00	0.069	≤25	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	105 %	20-367	
Acrolein	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<5	
			MS	ug/L	200.0	102 %	0-171	
			MSD	ug/L	200.0	119 %	0-171	

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Organic								
Acrolein	624	09/22/16:211564VRG	MSRPD	ug/L	10.00	15.8%	≤50	
	624	09/22/16:213938VRG	CCV	ug/L	200.0	85.7 %	20-209	
Acrylonitrile	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<2	
			MS	ug/L	200.0	147 %	0-244	
			MSD	ug/L	200.0	150 %	0-244	
			MSRPD	ug/L	10.00	2.3%	≤47	
Benzene	624	09/22/16:213938VRG (SP 1611120-009)	CCV	ug/L	200.0	108 %	20-278	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	65-155	
			MSD	ug/L	10.00	111 %	65-155	
Bromodichloromethane	624	09/22/16:211564VRG (SP 1611120-009)	MSRPD	ug/L	10.00	0.6%	≤21	
			CCV	ug/L	10.00	99.2 %	64-136	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	62-150	
Bromoform	624	09/22/16:211564VRG (SP 1611120-009)	MSD	ug/L	10.00	131 %	62-150	
			MSRPD	ug/L	10.00	1.4%	≤22	
			CCV	ug/L	10.00	110 %	65-135	
			Blank	ug/L		ND	<0.5	
Bromomethane (Methyl Bromide)	624	09/22/16:211564VRG (SP 1611120-009)	MS	ug/L	10.00	147 %	64-150	
			MSD	ug/L	10.00	138 %	64-150	
			MSRPD	ug/L	10.00	6.3%	≤16	
			CCV	ug/L	10.00	132 %	71-129	360
Bromomethane (Methyl Bromide)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	272 %	48-196	435
			MSD	ug/L	10.00	279 %	48-196	435
			MSRPD	ug/L	10.00	2.5%	≤24	
Carbon Disulfide	624	09/22/16:213938VRG (SP 1611120-009)	CCV	ug/L	10.00	224 %	14-186	360
			Blank	ug/L		ND	<5	
			MS	ug/L	100.0	82.8 %	0-230	
			MSD	ug/L	100.0	82.5 %	0-230	
Carbon Tetrachloride	624	09/22/16:211564VRG (SP 1611120-009)	MSRPD	ug/L	10.00	0.4%	≤72	
			CCV	ug/L	80.00	103 %	20-242	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	69-206	
Chlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	MSD	ug/L	10.00	104 %	69-206	
			MSRPD	ug/L	10.00	0.7%	≤19	
			CCV	ug/L	10.00	99.0 %	73-127	
			Blank	ug/L		ND	<0.5	
Chloroethane (Ethyl Chloride)	624	09/22/16:211564VRG (SP 1611120-009)	MS	ug/L	10.00	123 %	69-152	
			MSD	ug/L	10.00	124 %	69-152	
			MSRPD	ug/L	10.00	1.0%	≤24	
			CCV	ug/L	10.00	108 %	66-134	
Chloroform	624	09/22/16:213938VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	170 %	53-214	
			MSD	ug/L	10.00	168 %	53-214	
			MSRPD	ug/L	10.00	1.0%	≤32	
Chloromethane(Methyl Chloride)	624	09/22/16:211564VRG (SP 1611120-009)	CCV	ug/L	10.00	136 %	38-162	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	55-155	
			MSD	ug/L	10.00	111 %	55-155	
Chloromethane(Methyl Chloride)	624	09/22/16:213938VRG (SP 1611120-009)	MSRPD	ug/L	10.00	0.9%	≤22	
			CCV	ug/L	10.00	104 %	67-133	
Chloromethane(Methyl Chloride)	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	232 %	33-202	435

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Organic Chloromethane(Methyl Chloride)	624	(SP 1611120-009)	MSD MSRPD	ug/L ug/L	10.00 10.00	253 % 8.8%	33-202 ≤25	435
	624	09/22/16:213938VRG	CCV	ug/L	10.00	265 %	0-204	360
cis-1,3-Dichloropropene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	59-142	
			MSD	ug/L	10.00	131 %	59-142	
			MSRPD	ug/L	10.00	1.9%	≤23	
Dibromochloromethane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	53-151	
			MSD	ug/L	10.00	124 %	53-151	
			MSRPD	ug/L	10.00	2.9%	≤25	
Dichloromethane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<2	
			MS	ug/L	10.00	143 %	24-207	
			MSD	ug/L	10.00	148 %	24-207	
			MSRPD	ug/L	10.00	2.8%	≤33	
Ethylbenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	170 %	45-194	
			MSD	ug/L	10.00	151 %	45-194	
			MSRPD	ug/L	10.00	11.7%	≤31	
Fluorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L	10.00	96.7 %	72-139	
			MS	ug/L	10.00	101 %	90-121	
			MSD	ug/L	10.00	95.4 %	90-121	
			MSRPD	ug/L	10.00	5.9%	≤3	435
Freon-11	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<2.0	
			MS	ug/L	10.00	165 %	57-259	
			MSD	ug/L	10.00	169 %	57-259	
			MSRPD	ug/L	10.00	1.9%	≤27	
Methyl tert-Butyl Ether (MTBE)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<5	
			MS	ug/L	10.00	151 %	26-210	
			MSD	ug/L	10.00	150 %	26-210	
			MSRPD	ug/L	10.00	0.13	≤5	
Pentafluorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L	10.00	70.3 %	59-151	
			MS	ug/L	10.00	73.9 %	74-148	
			MSD	ug/L	10.00	76.1 %	74-148	
			MSRPD	ug/L	10.00	2.9%	≤10	
Styrene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	169 %	6-195	
			MSD	ug/L	10.00	153 %	6-195	
			MSRPD	ug/L	10.00	9.9%	≤25	
Tetrachloroethylene (PCE)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	63-171	
			MSD	ug/L	10.00	105 %	63-171	
			MSRPD	ug/L	10.00	0.6%	≤26	
Toluene	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			CCV	ug/L	10.00	90.9 %	73-127	

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Organic Toluene	624	(SP 1611120-009)	MS	ug/L	10.00	113 %	65-160	
			MSD	ug/L	10.00	112 %	65-160	
			MSRPD	ug/L	10.00	1.2%	<25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	101 %	74-126	
trans-1,2-Dichloroethylene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	68-179	
			MSD	ug/L	10.00	132 %	68-179	
			MSRPD	ug/L	10.00	2.3%	<51	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	112 %	69-131	
trans-1,3-Dichloropropene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	55-148	
			MSD	ug/L	10.00	136 %	55-148	
			MSRPD	ug/L	10.00	1.0%	<25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	121 %	50-150	
Trichloroethylene (TCE)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	117 %	54-178	
			MSD	ug/L	10.00	106 %	54-178	
			MSRPD	ug/L	10.00	9.7%	<22	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	98.9 %	66-134	
Vinyl Acetate	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<10	
			MS	ug/L	100.0	102 %	0-331	
			MSD	ug/L	100.0	107 %	0-331	
			MSRPD	ug/L	10.00	4.1%	<44	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	116 %	20-393	
Vinyl Chloride	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	230 %	32-217	435
			MSD	ug/L	10.00	250 %	32-217	435
			MSRPD	ug/L	10.00	8.4%	<26	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	171 %	4-196	
Xylenes m,p	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<1.0	
			MS	ug/L	20.00	166 %	50-181	
			MSD	ug/L	20.00	147 %	50-181	
			MSRPD	ug/L	10.00	12.3%	<30	
	624	09/22/16:213938VRG	CCV	ug/L	20.00	129 %	45-170	
Xylenes o	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	174 %	38-182	
			MSD	ug/L	10.00	157 %	38-182	
			MSRPD	ug/L	10.00	10.1%	<29	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	137 %	63-163	
1,2,4-Trichlorobenzene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	78.8 %	36-79	
			BS	ug/L	20.00	75.9 %	20-89	
			BSD	ug/L	20.00	69.3 %	20-89	
			BSRPD	ug/L	20.00	9.0%	<30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	103 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	106 %	80-120	
1,2-Dichlorobenzene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	83.4 %	32-75	310
			BS	ug/L	20.00	81.1 %	18-83	
			BSD	ug/L	20.00	75.8 %	18-83	
			BSRPD	ug/L	20.00	6.7%	<30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	111 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	104 %	80-120	
1,2-Diphenylhydrazine	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Diphenylhydrazine	625	09/21/16:211391JOM	LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00	94.8 % 97.9 % 87.5 % 11.2%	63-89 25-125 25-125 ≤30	310
1,3-Dichlorobenzene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 73.6 % 72.6 % 68.8 % 5.4%	<1 25-67 13-81 13-81 ≤30	310
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	101 %	80-120	
1,4-Dichlorobenzene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 75.9 % 77.2 % 69.1 % 11.1%	<1 26-70 14-81 14-81 ≤30	310
	625	09/27/16:214043SBL	CCV	mg/L	20.00	107 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	103 %	80-120	
2,4,5-Trichlorophenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 106 % 98.8 % 99.4 % 0.5%	<2 63-122 26-151 26-151 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	118 %	70-130	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	120 %	70-130	
2,4,6-Tribromophenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	90.9 % 96.4 % 89.5 % 87.9 % 1.8%	17-97 17-97 17-97 17-97 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	116 %	80-120	
2,4,6-Trichlorophenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 101 % 99.0 % 96.0 % 3.0%	<1 67-124 24-139 24-139 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	114 %	80-120	
2,4-Dichlorophenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 94.9 % 96.1 % 88.4 % 8.3%	<2 68-112 22-139 22-139 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	105 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	111 %	80-120	
2,4-Dimethylphenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	ND 75.3 % 78.2 % 71.3 % 9.3%	<2 37-98 17-92 17-92 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	106 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	110 %	80-120	
2,4-Dinitrophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<5	

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Organic 2,4-Dinitrophenol	625	09/21/16:211391JOM	LCS	ug/L	20.00	110 %	67-115	
			BS	ug/L	20.00	76.6 %	0-158	
			BSD	ug/L	20.00	100 %	0-158	
			BSRPD	ug/L	20.00	4.7	≤5	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	93.6 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	104 %	80-120	
2,4-Dinitrotoluene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	106 %	74-147	
			BS	ug/L	20.00	99.6 %	23-146	
			BSD	ug/L	20.00	101 %	23-146	
			BSRPD	ug/L	20.00	1.7%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	108 %	80-120	
2,6-Dinitrotoluene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	108 %	63-144	
			BS	ug/L	20.00	108 %	22-152	
			BSD	ug/L	20.00	102 %	22-152	
			BSRPD	ug/L	20.00	5.3%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	118 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	114 %	80-120	
2-Chlorophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	95.5 %	50-108	
			BS	ug/L	20.00	94.3 %	26-118	
			BSD	ug/L	20.00	91.6 %	26-118	
			BSRPD	ug/L	20.00	2.9%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	105 %	80-120	
2-Fluorobiphenyl	625	09/21/16:211391JOM	Blank	ug/L	10.00	78.0 %	10-99	
			LCS	ug/L	10.00	81.8 %	10-99	
			BS	ug/L	10.00	80.0 %	10-99	
			BSD	ug/L	10.00	73.2 %	10-99	
			BSRPD	ug/L	20.00	8.8%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	10.00	108 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	10.00	109 %	80-120	
2-Fluorophenol	625	09/21/16:211391JOM	Blank	ug/L	20.00	88.1 %	15-96	
			LCS	ug/L	20.00	80.7 %	15-96	
			BS	ug/L	20.00	76.9 %	15-96	
			BSD	ug/L	20.00	77.7 %	15-96	
			BSRPD	ug/L	20.00	1.0%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	107 %	80-120	
2-Nitrophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	99.6 %	59-132	
			BS	ug/L	20.00	98.9 %	29-132	
			BSD	ug/L	20.00	97.0 %	29-132	
			BSRPD	ug/L	20.00	1.9%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	112 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	116 %	80-120	
3,3-Dichlorobenzidine	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	68.0 %	59-148	
			BS	ug/L	20.00	55.2 %	14-100	
			BSD	ug/L	20.00	71.2 %	14-100	
			BSRPD	ug/L	20.00	25.2%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	120 %	80-120	

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Organic								
3,3-Dichlorobenzidine	625	09/30/16:214342SBL	CCV	mg/L	20.00	147 %	80-120	360
4,6-Dinitro-2-methylphenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 20.00 20.00 20.00 20.00	ND 107 % 91.5 % 106 % 15.1%	<1 85-109 18-165 18-165 ≤30	
4,6-Dinitro-o-cresol	625	09/27/16:214043SBL	CCV	mg/L	20.00	96.8 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	106 %	80-120	
4-Bromophenylphenylether	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 20.00 20.00 20.00 20.00	ND 94.1 % 97.6 % 89.0 % 9.2%	<1 64-116 22-130 22-130 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	107 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	106 %	80-120	
4-Nitrophenol	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 20.00 20.00 20.00 20.00	ND 129 % 100 % 119 % 17.2%	<2 61-102 0-189 0-189 ≤30	310
	625	09/27/16:214043SBL	CCV	mg/L	20.00	120 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	117 %	80-120	
Acenaphthene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 20.00 20.00 20.00 20.00	ND 95.8 % 94.7 % 88.1 % 7.2%	<1 15-122 26-118 26-118 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	111 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	113 %	80-120	
Acenaphthylene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 20.00 20.00 20.00 20.00	ND 97.8 % 96.6 % 90.2 % 6.9%	<1 17-118 30-113 30-113 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	115 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	118 %	80-120	
Anthracene	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 20.00 20.00 20.00 20.00	ND 103 % 100 % 100 % 0.02%	<1 23-126 29-122 29-122 ≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	116 %	80-120	
Azobenzene	625	09/27/16:214043SBL	CCV	mg/L	20.00	103 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	106 %	80-120	
Benzidine	625	09/21/16:211391JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 20.00 20.00 20.00 20.00	ND 0.2 % 0.1 % 0.0 % 0.028	<2 6-32 0-25 0-25 ≤2	320
	625	09/27/16:214043SBL	CCV	mg/L	20.00	109 %	70-130	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	114 %	70-130	
Benzo(a)anthracene	625	09/21/16:211391JOM	Blank LCS	ug/L ug/L	 20.00	ND 106 %	<1 21-132	

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Organic Benzo(a)anthracene	625	09/21/16:211391JOM	BS	ug/L	20.00	110 %	22-121	
			BSD	ug/L	20.00	109 %	22-121	
			BSRPD	ug/L	20.00	0.5%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	111 %	80-120	
Benzo(a)pyrene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	109 %	21-142	
			BS	ug/L	20.00	103 %	10-135	
	625	09/27/16:214043SBL	BSD	ug/L	20.00	109 %	10-135	
			BSRPD	ug/L	20.00	5.2%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	117 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	119 %	80-120	
Benzo(b)fluoranthene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	109 %	20-137	
			BS	ug/L	20.00	104 %	18-126	
	625	09/27/16:214043SBL	BSD	ug/L	20.00	108 %	18-126	
			BSRPD	ug/L	20.00	3.4%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	106 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	113 %	80-120	
Benzo(g,h,i)perylene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	109 %	4-153	
			BS	ug/L	20.00	116 %	13-133	
	625	09/27/16:214043SBL	BSD	ug/L	20.00	105 %	13-133	
			BSRPD	ug/L	20.00	9.7%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	109 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	123 %	80-120	360
Benzo(k)fluoranthene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	101 %	24-133	
			BS	ug/L	20.00	106 %	18-129	
	625	09/27/16:214043SBL	BSD	ug/L	20.00	113 %	18-129	
			BSRPD	ug/L	20.00	6.7%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	107 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	107 %	80-120	
bis(2-Chloroethoxy)methane	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	92.8 %	54-112	
			BS	ug/L	20.00	92.6 %	23-130	
	625	09/27/16:214043SBL	BSD	ug/L	20.00	86.1 %	23-130	
			BSRPD	ug/L	20.00	7.2%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	110 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	109 %	80-120	
bis(2-Chloroethyl)ether	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	167 %	45-104	310
			BS	ug/L	20.00	137 %	23-121	436
	625	09/27/16:214043SBL	BSD	ug/L	20.00	139 %	23-121	436
			BSRPD	ug/L	20.00	1.3%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	106 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	105 %	80-120	
bis(2-Chloroisopropyl)ether	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	82.2 %	44-99	
			BS	ug/L	20.00	75.0 %	10-125	
	625	09/27/16:214043SBL	BSD	ug/L	20.00	75.0 %	10-125	
			BSRPD	ug/L	20.00	0.09%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	98.6 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	93.0 %	80-120	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic bis(2-Ethylhexyl)phthalate	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	101 %	49-123	
			BS	ug/L	20.00	116 %	15-146	
			BSD	ug/L	20.00	101 %	15-146	
			BSRPD	ug/L	20.00	12.9%	≤30	
Butylbenzylphthalate	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
			CCV	mg/L	20.00	95.3 %	80-120	
			Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	73.4 %	59-92	
			BS	ug/L	20.00	62.3 %	36-130	
Chloronaphthalene	625	09/21/16:211391JOM	BSD	ug/L	20.00	57.4 %	36-130	
			BSRPD	ug/L	20.00	8.2%	≤30	
			CCV	mg/L	20.00	110 %	80-120	
			CCV	mg/L	20.00	101 %	80-120	
			Blank	ug/L		ND	<1	
Chlorophenylphenylether	625	09/21/16:211391JOM	LCS	ug/L	20.00	90.0 %	51-100	
			BS	ug/L	20.00	88.1 %	17-123	
			BSD	ug/L	20.00	80.6 %	17-123	
			BSRPD	ug/L	20.00	8.9%	≤30	
			CCV	mg/L	20.00	106 %	80-120	
Chrysene	625	09/30/16:214342SBL	CCV	mg/L	20.00	106 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.8 %	63-114	
			BS	ug/L	20.00	91.6 %	21-128	
			BSD	ug/L	20.00	87.9 %	21-128	
Dibenzo(a,h)anthracene	625	09/21/16:211391JOM	BSRPD	ug/L	20.00	4.1%	≤30	
			CCV	mg/L	20.00	110 %	80-120	
			CCV	mg/L	20.00	104 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	109 %	22-130	
Diethylphthalate	625	09/21/16:211391JOM	BS	ug/L	20.00	111 %	22-119	
			BSD	ug/L	20.00	111 %	22-119	
			BSRPD	ug/L	20.00	0.6%	≤30	
			CCV	mg/L	20.00	116 %	80-120	
			CCV	mg/L	20.00	112 %	80-120	
Dimethylphthalate	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	128 %	9-150	
			BS	ug/L	20.00	131 %	11-141	
			BSD	ug/L	20.00	117 %	11-141	
			BSRPD	ug/L	20.00	10.6%	≤30	
Diethylphthalate	625	09/27/16:214043SBL	CCV	mg/L	20.00	123 %	80-120	360
			CCV	mg/L	20.00	142 %	80-120	360
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	66.7 %	33-76	
			BS	ug/L	20.00	13.3 %	25-128	436
Diethylphthalate	625	09/30/16:214342SBL	BSD	ug/L	20.00	10.6 %	25-128	436
			BSRPD	ug/L	20.00	0.54	≤1	
			CCV	mg/L	20.00	112 %	80-120	
			CCV	mg/L	20.00	111 %	80-120	
			Blank	ug/L		ND	<1	
Dimethylphthalate	625	09/21/16:211391JOM	LCS	ug/L	20.00	38.3 %	21-63	
			BS	ug/L	20.00	5.3 %	25-124	436
			BSD	ug/L	20.00	3.2 %	25-124	436
			BSRPD	ug/L	20.00	0.42	≤1	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Dimethylphthalate	625	09/27/16:214043SBL	CCV	mg/L	20.00	109 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	109 %	80-120	
Di-n-butylphthalate	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	92.8 %	18-127	
			BS	ug/L	20.00	60.3 %	34-130	
			BSD	ug/L	20.00	63.1 %	34-130	
			BSRPD	ug/L	20.00	4.5%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	109 %	80-120	
Di-n-octylphthalate	625	09/30/16:214342SBL	CCV	mg/L	20.00	118 %	80-120	
	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	83.6 %	29-136	
			BS	ug/L	20.00	99.2 %	27-131	
			BSD	ug/L	20.00	92.2 %	27-131	
BSRPD			ug/L	20.00	7.3%	≤30		
625	09/27/16:214043SBL	CCV	mg/L	20.00	94.0 %	80-120		
625	09/30/16:214342SBL	CCV	mg/L	20.00	87.7 %	80-120		
Fluoranthene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	112 %	24-127	
			BS	ug/L	20.00	100 %	20-130	
			BSD	ug/L	20.00	111 %	20-130	
			BSRPD	ug/L	20.00	10.3%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
625	09/30/16:214342SBL	CCV	mg/L	20.00	117 %	80-120		
Fluorene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	100 %	20-123	
			BS	ug/L	20.00	98.5 %	25-126	
			BSD	ug/L	20.00	95.4 %	25-126	
			BSRPD	ug/L	20.00	3.3%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
625	09/30/16:214342SBL	CCV	mg/L	20.00	113 %	80-120		
Hexachlorobenzene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.8 %	65-114	
			BS	ug/L	20.00	97.7 %	18-120	
			BSD	ug/L	20.00	92.6 %	18-120	
			BSRPD	ug/L	20.00	5.4%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	105 %	80-120	
625	09/30/16:214342SBL	CCV	mg/L	20.00	105 %	80-120		
Hexachlorobutadiene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	60.7 %	20-61	
			BS	ug/L	20.00	51.5 %	13-84	
			BSD	ug/L	20.00	49.1 %	13-84	
			BSRPD	ug/L	20.00	4.7%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	103 %	80-120	
625	09/30/16:214342SBL	CCV	mg/L	20.00	103 %	80-120		
Hexachlorocyclopentadiene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	14.9 %	0-46	
			BS	ug/L	20.00	13.4 %	0-64	
			BSD	ug/L	20.00	13.5 %	0-64	
			BSRPD	ug/L	20.00	0.032	≤1	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	90.9 %	80-120	
625	09/30/16:214342SBL	CCV	mg/L	20.00	102 %	80-120		
Hexachloroethane	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	310
			LCS	ug/L	20.00	64.7 %	14-52	
			BS	ug/L	20.00	59.7 %	9-76	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Hexachloroethane	625	09/21/16:211391JOM	BSD	ug/L	20.00	55.5 %	9-76	
			BSRPD	ug/L	20.00	7.4%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	112 %	80-120	
Indeno(1,2,3-c,d)pyrene	625	09/30/16:214342SBL	CCV	mg/L	20.00	103 %	80-120	
	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	122 %	3-158	
			BS	ug/L	20.00	136 %	0-153	
			BSD	ug/L	20.00	122 %	0-153	
Isophorone			BSRPD	ug/L	20.00	10.4%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	125 %	80-120	360
	625	09/30/16:214342SBL	CCV	mg/L	20.00	132 %	80-120	360
	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.6 %	55-108	
Naphthalene			BS	ug/L	20.00	95.5 %	26-122	
			BSD	ug/L	20.00	91.7 %	26-122	
			BSRPD	ug/L	20.00	4.0%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	108 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	110 %	80-120	
Nitrobenzene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	91.3 %	7-117	
			BS	ug/L	20.00	88.9 %	24-103	
			BSD	ug/L	20.00	82.0 %	24-103	
			BSRPD	ug/L	20.00	8.1%	≤30	
Nitrobenzene-d5	625	09/27/16:214043SBL	CCV	mg/L	20.00	113 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	117 %	80-120	
	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.5 %	53-107	
			BS	ug/L	20.00	84.4 %	25-120	
N-Nitrosodimethylamine			BSD	ug/L	20.00	80.4 %	25-120	
			BSRPD	ug/L	20.00	4.8%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	105 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	107 %	80-120	
	625	09/21/16:211391JOM	Blank	ug/L	10.00	84.6 %	11-102	
N-Nitrosodi-N-propylamine			LCS	ug/L	10.00	80.5 %	11-102	
			BS	ug/L	10.00	77.2 %	11-102	
			BSD	ug/L	10.00	69.4 %	11-102	
			BSRPD	ug/L	20.00	10.6%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	10.00	109 %	80-120	
N-Nitrosodiphenylamine	625	09/30/16:214342SBL	CCV	mg/L	10.00	112 %	80-120	
	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	85.6 %	34-102	
			BS	ug/L	20.00	79.9 %	13-128	
			BSD	ug/L	20.00	76.8 %	13-128	
N-Nitrosodiphenylamine			BSRPD	ug/L	20.00	4.0%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	102 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	99.4 %	80-120	
	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	91.2 %	48-108	
N-Nitrosodiphenylamine			BS	ug/L	20.00	91.9 %	9-142	
			BSD	ug/L	20.00	88.6 %	9-142	
			BSRPD	ug/L	20.00	3.6%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	110 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	103 %	80-120	
N-Nitrosodiphenylamine	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	

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Organic N-Nitrosodiphenylamine	625	09/21/16:211391JOM	LCS	ug/L	20.00	92.3 %	61-111	
			BS	ug/L	20.00	89.3 %	22-161	
			BSD	ug/L	20.00	86.1 %	22-161	
			BSRPD	ug/L	20.00	3.7%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	95.5 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	94.6 %	80-120	
p-Chloro-m-cresol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	103 %	68-111	
			BS	ug/L	20.00	103 %	25-139	
			BSD	ug/L	20.00	97.7 %	25-139	
	625	09/27/16:214043SBL	BSRPD	ug/L	20.00	5.1%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	110 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	114 %	80-120	
Pentachlorophenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	120 %	46-168	
			BS	ug/L	20.00	109 %	0-170	
			BSD	ug/L	20.00	119 %	0-170	
	625	09/27/16:214043SBL	BSRPD	ug/L	20.00	9.4%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	122 %	80-120	360
	625	09/30/16:214342SBL	CCV	mg/L	20.00	118 %	80-120	
Phenanthrene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	101 %	19-125	
			BS	ug/L	20.00	99.2 %	25-126	
			BSD	ug/L	20.00	97.1 %	25-126	
	625	09/27/16:214043SBL	BSRPD	ug/L	20.00	2.1%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	109 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	111 %	80-120	
Phenol	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.3 %	49-104	
			BS	ug/L	20.00	92.5 %	23-124	
			BSD	ug/L	20.00	92.1 %	23-124	
	625	09/27/16:214043SBL	BSRPD	ug/L	20.00	0.5%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	108 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	111 %	80-120	
Phenol-d6	625	09/21/16:211391JOM	Blank	ug/L	20.00	75.0 %	9-103	
			LCS	ug/L	20.00	85.8 %	9-103	
			BS	ug/L	20.00	78.4 %	9-103	
			BSD	ug/L	20.00	80.7 %	9-103	
	625	09/27/16:214043SBL	BSRPD	ug/L	20.00	2.9%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	114 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	105 %	80-120	
p-Terphenyl-d14	625	09/21/16:211391JOM	Blank	ug/L	10.00	87.4 %	25-123	
			LCS	ug/L	10.00	81.7 %	25-123	
			BS	ug/L	10.00	95.3 %	25-123	
			BSD	ug/L	10.00	86.4 %	25-123	
	625	09/27/16:214043SBL	BSRPD	ug/L	20.00	9.8%	≤30	
	625	09/30/16:214342SBL	CCV	mg/L	10.00	99.0 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	10.00	100 %	80-120	
Pyrene	625	09/21/16:211391JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.0 %	15-138	
			BS	ug/L	20.00	105 %	31-121	
			BSD	ug/L	20.00	92.9 %	31-121	
	625	09/27/16:214043SBL	BSRPD	ug/L	20.00	11.9%	≤30	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	99.6 %	80-120	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Pyrene	625	09/30/16:214342SBL	CCV	mg/L	20.00	98.9 %	80-120	
Pyridine	625	09/21/16:211391JOM	Blank	ug/L		ND	<10	
			LCS	ug/L	20.00	23.6 %	5-72	
			BS	ug/L	20.00	9.5 %	0-64	
			BSD	ug/L	20.00	9.1 %	0-64	
			BSRPD	ug/L	20.00	0.075	≤10	
	625	09/27/16:214043SBL	CCV	mg/L	20.00	105 %	80-120	
	625	09/30/16:214342SBL	CCV	mg/L	20.00	99.7 %	80-120	
2,4'-DDD	625P	10/01/16:214450SG	CCV	ug/L	100.0	108 %	70-130	
2,4'-DDE	625P	10/01/16:214450SG	CCV	ug/L	100.0	113 %	70-130	
2,4'-DDT	625P	10/01/16:214450SG	CCV	ug/L	100.0	90.4 %	70-130	
Aldrin	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.8 %	0-131	
			BS	ug/L	0.1000	282 %	4-108	436
			BSD	ug/L	0.1000	91.1 %	4-108	
			BSRPD	ug/L	0.1000	102%	≤25	410
	625P	10/01/16:214450SG	CCV	ug/L	100.0	99.6 %	70-130	
Alpha BHC	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	85.4 %	9-125	
			BS	ug/L	0.1000	88.3 %	17-100	
			BSD	ug/L	0.1000	84.2 %	17-100	
			BSRPD	ug/L	0.1000	4.8%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	129 %	70-130	
alpha-Chlordane	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	81.4 %	14-126	
			BS	ug/L	0.1000	99.6 %	0-135	
			BSD	ug/L	0.1000	91.4 %	0-135	
			BSRPD	ug/L	0.1000	8.6%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	121 %	70-130	
Beta BHC	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	94.0 %	13-125	
			BS	ug/L	0.1000	74.0 %	16-123	
			BSD	ug/L	0.1000	83.9 %	16-123	
			BSRPD	ug/L	0.1000	12.5%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	101 %	70-130	
cis_Nonachlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	88.4 %	10-138	
			BS	ug/L	0.1000	98.9 %	0-120	
			BSD	ug/L	0.1000	98.0 %	0-120	
			BSRPD	ug/L	0.1000	0.9%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	112 %	70-130	
Delta BHC	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	87.5 %	0-122	
			BS	ug/L	0.1000	70.3 %	0-112	
			BSD	ug/L	0.1000	77.7 %	0-112	
			BSRPD	ug/L	0.1000	10%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	98.9 %	70-130	
Dieldrin	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	91.7 %	19-120	
			BS	ug/L	0.1000	82.8 %	0-121	
			BSD	ug/L	0.1000	98.4 %	0-121	
			BSRPD	ug/L	0.1000	17.2%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	114 %	70-130	
Endosulfan I	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Endosulfan I	625P	09/27/16:211614JOM	LCS	ug/L	0.1000	89.5 %	18-129	
			BS	ug/L	0.1000	84.1 %	0-154	
			BSD	ug/L	0.1000	84.4 %	0-154	
			BSRPD	ug/L	0.1000	0.4%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	103 %	70-130	
Endosulfan II	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	96.7 %	22-128	
			BS	ug/L	0.1000	94.7 %	0-149	
			BSD	ug/L	0.1000	106 %	0-149	
			BSRPD	ug/L	0.1000	11.7%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	103 %	70-130	
Endosulfan Sulfate	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	76.9 %	32-106	
			BS	ug/L	0.1000	76.1 %	4-140	
			BSD	ug/L	0.1000	87.9 %	4-140	
			BSRPD	ug/L	0.1000	14.4%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	91.7 %	70-130	
Endrin	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	410
			LCS	ug/L	0.1000	86.3 %	0-130	
			BS	ug/L	0.1000	42.5 %	7-101	
			BSD	ug/L	0.1000	69.9 %	7-101	
			BSRPD	ug/L	0.1000	48.8%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	87.5 %	70-130	
Endrin Aldehyde	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	122 %	16-135	
			BS	ug/L	0.1000	100 %	0-148	
			BSD	ug/L	0.1000	99.6 %	0-148	
			BSRPD	ug/L	0.1000	0.4%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	117 %	70-130	
Endrin Ketone	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	69.4 %	25-121	
			BS	ug/L	0.1000	83.0 %	21-111	
			BSD	ug/L	0.1000	83.9 %	21-111	
			BSRPD	ug/L	0.1000	1.1%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	121 %	70-130	
gamma-Chlordane	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	94.7 %	20-123	
			BS	ug/L	0.1000	103 %	1-116	
			BSD	ug/L	0.1000	104 %	1-116	
			BSRPD	ug/L	0.1000	0.6%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	130 %	70-130	
Heptachlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.6 %	19-119	
			BS	ug/L	0.1000	70.2 %	13-100	
			BSD	ug/L	0.1000	73.1 %	13-100	
			BSRPD	ug/L	0.1000	4.0%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	114 %	70-130	
Heptachlor Epoxide	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	93.4 %	18-131	
			BS	ug/L	0.1000	111 %	0-127	
			BSD	ug/L	0.1000	98.9 %	0-127	
			BSRPD	ug/L	0.1000	11.5%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	122 %	70-130	
Lindane	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Lindane	625P	09/27/16:211614JOM	LCS	ug/L	0.1000	106 %	22-181	
			BS	ug/L	0.1000	95.0 %	0-234	
			BSD	ug/L	0.1000	104 %	0-234	
			BSRPD	ug/L	0.1000	8.6%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	119 %	70-130	
Methoxychlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	91.5 %	26-113	
			BS	ug/L	0.1000	87.4 %	2-107	
			BSD	ug/L	0.1000	94.3 %	2-107	
			BSRPD	ug/L	0.1000	7.5%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	88.6 %	70-130	
o,p - DDD	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	88.9 %	15-136	
			BS	ug/L	0.1000	94.3 %	12-118	
			BSD	ug/L	0.1000	99.1 %	12-118	
			BSRPD	ug/L	0.1000	5.0%	≤25	
o,p - DDE	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	90.1 %	23-124	
			BS	ug/L	0.1000	82.5 %	0-108	
			BSD	ug/L	0.1000	85.8 %	0-108	
			BSRPD	ug/L	0.1000	4.0%	≤25	
o,p - DDT	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	74.2 %	27-131	
			BS	ug/L	0.1000	78.3 %	0-124	
			BSD	ug/L	0.1000	73.9 %	0-124	
			BSRPD	ug/L	0.1000	5.8%	≤25	
p,p - DDD	625P	10/01/16:214450SG	CCV	ug/L	100.0	93.8 %	70-130	
p,p - DDE	625P	10/01/16:214450SG	CCV	ug/L	100.0	86.8 %	70-130	
p,p - DDT	625P	10/01/16:214450SG	CCV	ug/L	100.0	105 %	70-130	
p,p`-DDD	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	0-177	
			BS	ug/L	0.1000	80.8 %	17-107	
			BSD	ug/L	0.1000	85.1 %	17-107	
			BSRPD	ug/L	0.1000	5.2%	≤25	
p,p`-DDE	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	72.5 %	23-126	
			BS	ug/L	0.1000	76.4 %	2-107	
			BSD	ug/L	0.1000	77.1 %	2-107	
			BSRPD	ug/L	0.1000	0.9%	≤25	
p,p`-DDT	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	78.9 %	32-108	
			BS	ug/L	0.1000	89.9 %	0-128	
			BSD	ug/L	0.1000	90.0 %	0-128	
			BSRPD	ug/L	0.1000	0.2%	≤25	
Tetrachloro-m-xylene	625P	09/27/16:211614JOM	Blank	ug/L	0.1000	63.5 %	26-90	
			LCS	ug/L	0.1000	66.5 %	26-90	
			BS	ug/L	0.1000	62.5 %	26-90	
			BSD	ug/L	0.1000	65.9 %	26-90	
			BSRPD	ug/L	0.1000	5.3%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	104 %	70-130	
trans-Nonachlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.0 %	9-139	
			BS	ug/L	0.1000	82.5 %	0-120	
			BSD	ug/L	0.1000	102 %	0-120	

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Organic trans-Nonachlor	625P	09/27/16:211614JOM	BSRPD	ug/L	0.1000	21.5%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	120 %	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 analyte. 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. 320 : LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery. 360 : CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. 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.								

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	(CH 1678278-001)	MS	mg/L	4.000	98.8 %	75-125	
			MSD	mg/L	4.000	101 %	75-125	
			MSRPD	mg/L	4000	2.2%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	5.000	98.0 %	90-110	
			CCB	ppm		0.062	0.1	
			CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.064	0.1	
	200.7	10/04/16:211949amb (SP 1611294-005)	Blank	mg/L		ND	<0.10	
			LCS	mg/L	4.000	93.3 %	85-115	
			MS	mg/L	4.000	93.1 %	75-125	
			MSD	mg/L	4.000	92.0 %	75-125	
			MSRPD	mg/L	0.8000	0.9%	≤20.0	
	200.7	10/04/16:214498AC	CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.059	0.1	
			CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.052	0.1	
Calcium	200.7	(CH 1678278-001)	MS	mg/L	12.00	97.8 %	75-125	
			MSD	mg/L	12.00	98.6 %	75-125	
			MSRPD	mg/L	4000	0.5%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	25.00	99.2 %	90-110	
			CCB	ppm		0.02	1	
			CCV	ppm	25.00	98.3 %	90-110	
			CCB	ppm		0.02	1	
	200.7	10/04/16:211949amb (SP 1611294-005)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	94.0 %	85-115	
			MS	mg/L	12.00	93.3 %	75-125	
			MSD	mg/L	12.00	69.4 %	<¼	
			MSRPD	mg/L	0.8000	1.9%	≤20.0	
	200.7	10/04/16:214498AC	CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.005	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.003	1	
Copper	200.7	(CH 1678278-001)	MS	ug/L	800.0	101 %	75-125	
			MSD	ug/L	800.0	102 %	75-125	
			MSRPD	ug/L	4000	0.7%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	1.000	98.2 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	102 %	90-110	
			CCB	ppm		0.0001	0.01	
	200.7	10/04/16:211949amb (SP 1611294-005)	Blank	mg/L		ND	<0.01	
			LCS	mg/L	0.8000	96.0 %	85-115	
			MS	mg/L	0.8000	96.7 %	75-125	
			MSD	mg/L	0.8000	95.1 %	75-125	
			MSRPD	mg/L	0.8000	1.7%	≤20.0	
	200.7	10/04/16:214498AC	CCV	ppm	1.000	104 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	103 %	90-110	
			CCB	ppm		-0.0004	0.01	
Iron	200.7	(CH 1678278-001)	MS	ug/L	4000	90.0 %	75-125	
			MSD	ug/L	4000	98.1 %	75-125	
			MSRPD	ug/L	4000	7.7%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	5.000	99.5 %	90-110	
			CCB	ppm		0.0081	0.03	
			CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.0092	0.03	

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Metals Iron	200.7	10/04/16:211949amb (SP 1611294-005)	Blank	mg/L		ND	<0.03	
			LCS	mg/L	4.000	96.0 %	85-115	
			MS	mg/L	4.000	95.0 %	75-125	
			MSD	mg/L	4.000	92.7 %	75-125	
			MSRPD	mg/L	0.8000	2.4%	≤20	
	200.7	10/04/16:214498AC	CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.0083	0.03	
			CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.0085	0.03	
Magnesium	200.7	(CH 1678278-001)	MS	mg/L	12.00	98.8 %	75-125	
			MSD	mg/L	12.00	99.4 %	75-125	
			MSRPD	mg/L	4000	0.4%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	25.00	98.1 %	90-110	
			CCB	ppm		0.008	1	
			CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.005	1	
	200.7	10/04/16:211949amb (SP 1611294-005)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	92.8 %	85-115	
			MS	mg/L	12.00	81.4 %	75-125	
			MSD	mg/L	12.00	65.6 %	<¼	
	200.7	10/04/16:214498AC	MSRPD	mg/L	0.8000	2.1%	≤20	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		-0.002	1	
			CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		-0.002	1	
Manganese	200.7	(CH 1678278-001)	MS	ug/L	800.0	103 %	75-125	
			MSD	ug/L	800.0	105 %	75-125	
			MSRPD	ug/L	4000	1.0%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	1.000	100 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		0.0002	0.01	
	200.7	10/04/16:211949amb (SP 1611294-005)	Blank	mg/L		ND	<0.01	
			LCS	mg/L	0.8000	100 %	85-115	
			MS	mg/L	0.8000	98.1 %	75-125	
			MSD	mg/L	0.8000	96.4 %	75-125	
	200.7	10/04/16:214498AC	MSRPD	mg/L	0.8000	1.8%	≤20.0	
			CCV	ppm	1.000	107 %	90-110	
			CCB	ppm		0.00003	0.01	
			CCV	ppm	1.000	107 %	90-110	
			CCB	ppm		0.00003	0.01	
Potassium	200.7	(CH 1678278-001)	MS	mg/L	12.00	96.7 %	75-125	
			MSD	mg/L	12.00	97.9 %	75-125	
			MSRPD	mg/L	4000	1.2%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	25.00	95.3 %	90-110	
			CCB	ppm		0.04	1	
			CCV	ppm	25.00	98.8 %	90-110	
			CCB	ppm		-0.14	1	
	200.7	10/04/16:211949amb (CH 1678085-004)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	93.4 %	85-115	
			MS	mg/L	12.00	123 %	75-125	
			MSD	mg/L	12.00	106 %	75-125	
	200.7		MSRPD	mg/L	0.8000	12.6%	≤20.0	
			Blank	mg/L		ND	<1	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Potassium	200.7	10/04/16:211949amb (SP 1611294-005)	LCS	mg/L	12.00	92.2 %	85-115	
			MS	mg/L	12.00	102 %	75-125	
			MSD	mg/L	12.00	99.9 %	75-125	
			MSRPD	mg/L	0.8000	1.9%	≤20.0	
	200.7	10/04/16:214498AC	CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		-0.05	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		-0.05	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		-0.05	1	
Sodium	200.7	10/04/16:211949amb (CH 1678085-004) (SP 1611294-005)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	93.2 %	85-115	
			MS	mg/L	12.00	-471 %	<¼	
			MSD	mg/L	12.00	-409 %	<¼	
			MSRPD	mg/L	0.8000	2.0%	≤20.0	
			Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	93.2 %	85-115	
			MS	mg/L	12.00	120 %	75-125	
			MSD	mg/L	12.00	86.7 %	75-125	
			MSRPD	mg/L	0.8000	2.3%	≤20.0	
	200.7	10/04/16:214498AC	CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.10	1	
			CCV	ppm	25.00	101 %	90-110	
	200.7	10/06/16:214618AC	CCB	ppm		0.21	1	
			CCV	ppm	25.00	97.6 %	90-110	
			CCB	ppm		0.24	1	
			CCV	ppm	25.00	98.9 %	90-110	
	200.7		CCB	ppm		0.19	1	
			CCV	ppm	25.00	98.7 %	90-110	
			CCB	ppm		0.15	1	
Zinc	200.7	(CH 1678278-001)	MS	ug/L	800.0	104 %	75-125	
			MSD	ug/L	800.0	106 %	75-125	
			MSRPD	ug/L	4000	1.1%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		-0.0005	0.02	
			CCV	ppm	1.000	98.9 %	90-110	
			CCB	ppm		-0.0004	0.02	
	200.7	10/04/16:211949amb (SP 1611294-005)	Blank	mg/L		ND	<0.02	
			LCS	mg/L	0.8000	95.6 %	85-115	
			MS	mg/L	0.8000	91.6 %	75-125	
			MSD	mg/L	0.8000	89.6 %	75-125	
	200.7	10/04/16:214498AC	MSRPD	mg/L	0.8000	2.2%	≤20	
			CCV	ppm	1.000	102 %	90-110	
			CCB	ppm		-0.0003	0.02	
			CCV	ppm	1.000	102 %	90-110	
			CCB	ppm		-0.0001	0.02	
Aluminum	200.8	10/04/16:214508AC	ICV	ppb	120.0	94.8 %	90-110	
			ICB	ppb		0.2	10	
			CCV	ppb	120.0	98.0 %	90-110	
			CCB	ppb		0.4	10	
			CCV	ppb	120.0	98.9 %	90-110	
			CCB	ppb		-0.04	10	
	200.8	10/05/16:214575AC	ICV	ppb	120.0	101 %	90-110	
			ICB	ppb		0.4	10	

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Metals								
Aluminum	200.8	10/05/16:214575AC	CCV CCB	ppb ppb	120.0	98.5 % 0.2	90-110 10	
Antimony	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0	95.6 % 0.08 98.4 % 0.33 97.5 % 0.10	90-110 1 90-110 1 90-110 1	
Arsenic	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0	101 % 0.02 104 % 0.15 107 % 0.07	90-110 2 90-110 2 90-110 2	
Barium	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0	104 % 0.12 107 % 0.19 106 % 0.07	90-110 1 90-110 1 90-110 1	
Beryllium	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0	91.2 % 0.029 95.1 % 0.069 98.4 % 0.003	90-110 0.2 90-110 0.2 90-110 0.2	
Cadmium	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0	101 % 0.051 106 % 0.107 106 % 0.043	90-110 0.2 90-110 0.2 90-110 0.2	
Chromium	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0	98.3 % 0.09 101 % 0.21 102 % 0.15	90-110 1 90-110 1 90-110 1	
Copper	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0	100 % 0.068 101 % -0.028 103 % -0.077	90-110 0.5 90-110 0.5 90-110 0.5	
Lead	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0	100 % 0.041 104 % 0.090 105 % 0.031	90-110 0.5 90-110 0.5 90-110 0.5	
Nickel	200.8	10/04/16:214508AC	ICV ICB CCV CCB	ppb ppb ppb ppb	120.0 120.0	99.4 % 0.03 101 % 0.07	90-110 1 90-110 1	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Nickel	200.8	10/04/16:214508AC	CCV CCB	ppb ppb	120.0	104 % -0.02	90-110 1	
Selenium	200.8	10/04/16:214508AC	ICV	ppb	120.0	102 %	90-110	
			ICB	ppb		-0.07	1	
			CCV	ppb	120.0	110 %	90-110	
			CCB	ppb		0.26	1	
	200.8	10/05/16:214575AC	ICV	ppb	120.0	102 %	90-110	
			ICB	ppb		0.09	1	
			CCV	ppb	120.0	103 %	90-110	
			CCB	ppb		-0.15	1	
Silver	200.8	10/04/16:214508AC	ICV	ppb	120.0	99.9 %	90-110	
			ICB	ppb		0.0270	0.25	
			CCV	ppb	120.0	103 %	90-110	
			CCB	ppb		0.0970	0.25	
			CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.0320	0.25	
Thallium	200.8	10/04/16:214508AC	ICV	ppb	120.0	98.2 %	90-110	
			ICB	ppb		0.054	0.2	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.114	0.2	
			CCV	ppb	120.0	103 %	90-110	
			CCB	ppb		0.051	0.2	
Mercury	245.1	10/04/16:211963ac (SP 1611656-001)	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2000	104 %	85-115	
			MS	ug/L	0.2000	92.9 %	75-125	
			MSD	ug/L	0.2000	90.1 %	75-125	
	245.1	10/05/16:214518AC	MSRPD	ug/L	0.2000	2.6 %	≤20	
			CCV	ppt	200.0	101 %	90-110	
			CCB	ppt		-7.2	20	
			CCV	ppt	200.0	102 %	90-110	
Aluminum	3010	10/04/16:211956amb (SP 1611294-006)	CCB	ppt		-7.5	20	
			Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	102 %	85-115	
			MS	ug/L	40.00	111 %	75-125	
			MSD	ug/L	40.00	98.9 %	75-125	
			MSRPD	ug/L	40.00	9.3 %	≤20.0	
Antimony	3010	10/04/16:211956amb (SP 1611294-006)	PDS	ug/L	40.00	122 %	75-125	
			Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	102 %	85-115	
			MS	ug/L	40.00	106 %	75-125	
			MSD	ug/L	40.00	106 %	75-125	
			MSRPD	ug/L	40.00	0.2 %	≤20.0	
Arsenic	3010	10/04/16:211956amb (SP 1611294-006)	PDS	ug/L	40.00	113 %	75-125	
			Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	100 %	85-115	
			MS	ug/L	40.00	106 %	75-125	
			MSD	ug/L	40.00	102 %	75-125	
			MSRPD	ug/L	40.00	3.4 %	≤20	
Barium	3010	10/04/16:211956amb (SP 1611294-006)	PDS	ug/L	40.00	108 %	75-125	
			Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	111 %	85-115	
			MS	ug/L	40.00	118 %	75-125	
			MSD	ug/L	40.00	135 %	75-125	
			MSRPD	ug/L	40.00	7.0 %	≤20.0	435

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Metals								
Barium	3010	10/04/16:211956amb	PDS	ug/L	40.00	136 %	75-125	430
Beryllium	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 91.2 % 91.4 % 88.6 % 3.1% 93.6 %	<0.2 85-115 75-125 75-125 ≤20.0 75-125	
Cadmium	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 103 % 107 % 107 % 0.4% 113 %	<0.2 85-115 75-125 75-125 ≤20 75-125	
Chromium	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 104 % 102 % 99.1 % 3.1% 106 %	<1 85-115 75-125 75-125 ≤20 75-125	
Copper	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 105 % 101 % 97.0 % 3.8% 103 %	<1 85-115 75-125 75-125 ≤20.0 75-125	
Lead	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 107 % 108 % 108 % 0.6% 115 %	<0.2 85-115 75-125 75-125 ≤20.0 75-125	
Nickel	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 105 % 101 % 101 % 0.7% 105 %	<1 85-115 75-125 75-125 ≤20 75-125	
Selenium	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 96.9 % 103 % 102 % 0.4% 106 %	<2 80-120 75-125 75-125 ≤20 75-125	
Silver	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 105 % 103 % 102 % 1.4% 109 %	<0.25 85-115 75-125 75-125 ≤20.0 75-125	
Thallium	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00	ND 104 % 106 % 105 % 0.4%	<0.2 85-115 75-125 75-125 ≤20.0	

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Metals								
Thallium	3010	10/04/16:211956amb	PDS	ug/L	40.00	113 %	75-125	
Wet Chem								
Oil and Grease	1664A	10/06/16:212024AMM	Blank LCS BS BSD BSRPD	mg/L mg/L mg/L mg/L mg/L	 44.89 44.89 44.89 44.89	ND 82.9 % 78.7 % 83.9 % 6.4%	<3 78-114 78-114 78-114 ≤18	
Color	2120B	(SP 1611199-002)	Dup	units		0.0%	20	
	2120B	09/22/16:214266JMG	CCB CCV	units units	 10.00	0.00 100 %	5.0 90-110	
Turbidity	2130B	(SP 1611199-002)	Dup	NTU		2.5%	20	
	2130B	09/23/16:213889JBA	CCV CCB CCV CCB	NTU NTU NTU NTU	10.00 10.00	105 % 0.092 105 % 0.085	90-110 0.1 90-110 0.1	
Odor	2150B	(SP 1611199-002)	Dup	TON		0.0	1	
Chromium VI	218.6	09/23/16:211616mca	Blank LCS MS MSD MSRPD MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	 2.000 2.000 2.000 2.000 2.000 2.000 2.000	ND 98.3 % 97.2 % 92.2 % 5.1% 97.2 % 100 % 2.4%	<0.1 90-110 75-125 75-125 ≤20 75-125 75-125 ≤20	
	218.6	09/23/16:214002MCA	CCB CCV CCB CCV	ppb ppb ppb ppb	 5.000 5.000	0.000 101 % 0.000 101 %	0.1 95-105 0.1 95-105	
	218.6	09/30/16:211954MCA	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 2.000 2.000 2.000 2.000	ND 104 % 107 % 66.0 % 4.6%	<0.1 90-110 75-125 ≤1/4 ≤20	
	218.6	09/30/16:214421MCA	ICB ICV CCB CCV	ppb ppb ppb ppb	 5.000 5.000	0.000 96.5 % 0.063 102 %	0.1 95-105 0.1 95-105	
Alkalinity (as CaCO3)	2320B	(CH 1678271-001) (CC 1683299-001)	Dup Dup	mg/L mg/L		9.8% 18.3%	10 10	440
	2320B	09/23/16:213890AMB	CCV CCV CCV	mg/L mg/L mg/L	234.9 234.9 234.9	95.0 % 93.0 % 97.7 %	90-110 90-110 90-110	
Bicarbonate	2320B	(CH 1678271-001) (CC 1683299-001)	Dup Dup	mg/L mg/L		9.9% 18.3%	10 10	440
Carbonate	2320B	(CH 1678271-001) (CC 1683299-001)	Dup Dup	mg/L mg/L		0.0 0.0	10 10	
Hydroxide	2320B	(CH 1678271-001) (CC 1683299-001)	Dup Dup	mg/L mg/L		0.0 0.0	10 10	
Conductivity	2510B	09/22/16:213788JMG	ICB CCV CCV	umhos/cm umhos/cm umhos/cm	 1000 1000	0.07 101 % 100 %	1 95-105 95-105	
	2510B	09/27/16:213985JMG	ICB ICV CCV	umhos/cm umhos/cm umhos/cm	 1000 1000	0.07 101 % 101 %	1 95-105 95-105	

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Wet Chem E. C.	2510B	09/22/16:211426jmg (CH 1678260-002)	Blank Dup	umhos/cm umhos/cm		ND 0.2%	<1 5	
	2510B	09/27/16:211590jmg (CC 1683347-001)	Blank Dup	umhos/cm umhos/cm		ND 0.07%	<1 5	
Total Dissolved Solids (TFR)	2540CE	09/22/16:211444CTL (STK1651879-001)	Blank LCS Dup	mg/L mg/L mg/L	996.9	ND 103 % 0.6%	<20 90-110 5	
Solids, Suspended	2540D	09/26/16:211562JBA (SP 1611229-001)	Blank LCS LCS Dup	mg/L mg/L mg/L mg/L	50.10 50.10	ND 80.8 % 77.8 % 2.0%	<1 38-138 38-138 28.7	
Chloride	300.0	(VI 1643927-006)	MS MSD MSRPD Blank LCS MS (VI 1643927-005) MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	50.00 50.00 10.00 25.00 50.00 50.00 10.00	96.5 % 96.9 % 0.4% ND 105 % 96.8 % 97.3 % 0.5%	85-121 85-121 ≤19 <1 90-110 85-121 85-121 ≤19	
	300.0	09/22/16:214007MCA	ICB ICV CCB CCV	mg/L mg/L mg/L mg/L	25.00 25.00	0.00 106 % 0.04 106 %	1 90-110 1 90-110	
Fluoride	300.0	(VI 1643927-006)	MS MSD MSRPD Blank LCS MS (VI 1643927-005) MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	5.000 5.000 10.00 2.500 5.000 5.000 10.00	94.3 % 94.5 % 0.3% ND 107 % 94.0 % 94.3 % 0.3%	87-120 87-120 ≤16 <0.1 90-110 87-120 87-120 ≤16	
	300.0	09/22/16:214007MCA	ICB ICV CCB CCV	mg/L mg/L mg/L mg/L	2.500 2.500	0.000 106 % 0.000 107 %	0.1 90-110 0.1 90-110	
Nitrate	300.0	(VI 1643927-006)	MS MSD MSRPD Blank LCS MS (VI 1643927-005) MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	40.00 40.00 10.00 20.00 40.00 40.00 40.00 10.00	93.7 % 94.0 % 0.3% ND 105 % 94.0 % 94.4 % 0.4%	85-119 85-119 ≤19 <0.5 90-110 85-119 85-119 ≤19	
	300.0	09/22/16:214007MCA	ICB ICV CCB CCV	mg/L mg/L mg/L mg/L	20.00 20.00	0.000 106 % 0.000 106 %	0.5 90-110 0.5 90-110	
Nitrite	300.0	(VI 1643927-006)	MS MSD MSRPD Blank LCS MS (VI 1643927-005) MSD	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	30.00 30.00 10.00 15.00 30.00 30.00 30.00	95.6 % 96.1 % 0.5% ND 107 % 95.3 % 96.0 %	74-126 74-126 ≤20 <0.5 90-110 74-126 74-126	

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Wet Chem Nitrite	300.0	09/22/16:211443MCA	MSRPD	mg/L	10.00	0.7%	≤20	
	300.0	09/22/16:214007MCA	ICB	mg/L		0.000	0.5	
			ICV	mg/L	15.00	106 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	15.00	106 %	90-110	
Sulfate	300.0	(VI 1643927-006)	MS	mg/L	100.0	96.4 %	82-124	
			MSD	mg/L	100.0	96.6 %	82-124	
			MSRPD	mg/L	10.00	0.2%	≤23	
			Blank	mg/L		ND	<0.5	
			LCS	mg/L	50.00	106 %	90-110	
	300.0	(VI 1643927-005)	MS	mg/L	100.0	95.9 %	82-124	
			MSD	mg/L	100.0	96.4 %	82-124	
			MSRPD	mg/L	10.00	0.5%	≤23	
			ICB	mg/L		0.076	0.5	
			ICV	mg/L	50.00	107 %	90-110	
Perchlorate	314.0	09/23/16:211486SBL (SP 1610959-001) (SP 1611199-002)	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	87.8 %	85-115	
			MS	ug/L	25.00	88.2 %	80-120	
			MSD	ug/L	25.00	88.2 %	80-120	
			MSRPD	ug/L	25.00	0.02%	≤15	
			Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	105 %	85-115	
			MS	ug/L	25.00	96.0 %	80-120	
			MSD	ug/L	25.00	109 %	80-120	
			MSRPD	ug/L	25.00	12.7%	≤15	
	314.0	09/24/16:213927SBL	CCB	ppb		0.00	1.0	
			CCV	ppb	10.00	91.4 %	85-115	
			CCB	ppb		0.00	1.0	
			CCV	ppb	10.00	107 %	85-115	
			CCB	ppb		0.00	1.0	
Nitrogen, Total Kjeldahl	351.2	09/24/16:211513jmg (CC 1683076-001)	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	79.9 %	73-124	
			MS	mg/L	12.00	57.3 %	54-136	
			MSD	mg/L	12.00	53.8 %	54-136	
			MSRPD	mg/L	12.00	6.3%	≤27	
	351.2	09/26/16:211529jmg (CH 1678082-005)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	74.0 %	73-124	
			MS	mg/L	12.00	72.4 %	54-136	
			MSD	mg/L	12.00	69.2 %	54-136	
	351.2	09/28/16:211661jmg (CC 1683310-001)	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	98.6 %	73-124	
			MS	mg/L	12.00	96.9 %	54-136	
			MSD	mg/L	12.00	88.3 %	54-136	
	351.2	09/28/16:211664jmg (CC 1683310-003)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	94.4 %	73-124	
			MS	mg/L	12.00	90.1 %	54-136	
			MSD	mg/L	12.00	86.9 %	54-136	
	351.2	10/13/16:212356jmg	MSRPD	mg/L	12.00	3.4%	≤27	
			Blank	mg/L		ND	<0.5	

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Wet Chem								
Nitrogen, Total Kjeldahl	351.2	10/13/16:212356jmg (SP 1611618-002) (SP 1611618-002)	LCS LCS MS MSD MSRPD Dup	mg/L mg/L mg/L mg/L mg/L mg/L	12.00 12.00 12.00 12.00 12.00	101 % 93.8 % 9.6 % 33.5 % 111 % 0.0	73-124 73-124 54-136 54-136 ≤27 0.5	435 435 435
Chlorine	4500CIG	09/22/16:213837SJN	CCV CCB CCV CCB	mg/L mg/L mg/L mg/L	1.012 1.012	96.7 % -0.014 96.3 % -0.014	90-110 0.1 90-110 0.1	
Chlorine, Residual	4500CIG	(SP 1611199-002)	Dup	mg/L		0.0081	0.1	
Cyanide	4500CNCE	10/02/16:214313AMM	CCV CCB CCV CCB	mg/L mg/L mg/L mg/L	0.1000 0.1000	99.5 % 0.00008 97.9 % 0.00008	90-110 0.004 90-110 0.004	
Cyanide, Total	4500CNCE	10/01/16:211863AMM (SP 1611120-001)	Blank LCS LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L	 0.1000 0.4000 0.05000 0.05000 0.05000	ND 97.9 % 96.7 % 91.8 % 95.6 % 4.1 %	<0.004 90-110 90-110 26-226 26-226 ≤36	
pH	4500-H B	(VI 1643886-001)	Dup	units		0.6 %	4.80	
	4500-H B	(VI 1644040-003)	Dup	units		0.2 %	4.80	
	4500HB	09/23/16:213872JMG	CCV CCV	units units	8.000 8.000	99.8 % 99.6 %	95-105 95-105	
	4500HB	09/26/16:213951JMG	CCV CCV	units units	8.000 8.000	99.5 % 100 %	95-105 95-105	
Ammonia Nitrogen	4500NH3G	(STK1651881-001)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	87.4 % 93.6 % 7.0 %	70-130 70-130 ≤20	
	4500NH3G	09/27/16:213992AMB	CCB CCV CCB CCV CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 2.000 2.000 2.000 2.000 2.000 2.000	0.000 103 % -0.168 106 % 0.000 107 % 0.000 109 % 0.000 109 %	0.2 90-110 0.2 90-110 0.2 90-110 0.2 90-110 0.2 90-110	
	4500NH3G	(SP 1611479-003)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	117 % 117 % 0.6 %	70-130 70-130 ≤20	
	4500NH3G	09/30/16:214218AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	 2.000 2.000	-0.084 109 % -0.065 110 %	0.2 90-110 0.2 90-110	
	4500NH3G	(SP 1612155-001)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	108 % 104 % 3.2 %	70-130 70-130 ≤20	
	4500NH3G	10/13/16:214955AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	 2.000 2.000	-0.041 103 % -0.011 103 %	0.2 90-110 0.2 90-110	

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Wet Chem								
Ammonia Nitrogen	4500NH3G	10/13/16:214955AMB	CCB CCV	mg/L mg/L	2.000	-0.021 102 %	0.2 90-110	
Nitrite as Nitrogen	4500NO2F	(SP 1611234-001) (STK1651904-001)	MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270 1.270 1.270	93.5 % 95.6 % 2.2% 94.5 % 95.5 % 1.1%	50-150 50-150 ≤30 50-150 50-150 ≤30	
Nitrate + Nitrite as N	4500NO3F	(SP 1611234-001) (STK1651904-001)	MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L	10.00 10.00 10.00 10.00 10.00 10.00	104 % 108 % 3.6% 110 % 114 % 2.4%	5-285 5-285 ≤30.4 5-285 5-285 ≤30.4	
			CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	11.27 11.27 11.27 11.27 11.27 11.27	0.075 95.8 % 0.097 96.2 % 0.097 96.9 % 0.000 96.5 %	0.1 90-110 0.1 90-110 0.1 90-110 0.1 90-110	
			CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	11.27 11.27 11.27 11.27 11.27 11.27	95.8 % 96.2 % 96.9 % 96.5 % 96.5 % 96.5 %	0.1 90-110 0.1 90-110 0.1 90-110	
			CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270 1.270 1.270	0.00300 94.2 % 0.00600 95.0 % 0.00900 94.5 % 0.00600 95.4 %	0.012 90-110 0.012 90-110 0.012 90-110 0.012 90-110	
			CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270 1.270 1.270	94.2 % 95.0 % 0.00900 94.5 % 0.00600 95.4 %	0.012 90-110 0.012 90-110 0.012 90-110	
			CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270 1.270 1.270	94.2 % 95.0 % 0.00900 94.5 % 0.00600 95.4 %	0.012 90-110 0.012 90-110 0.012 90-110	
	4500NO3F	09/22/16:213832JDD	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270 1.270 1.270	0.00300 94.2 % 0.00600 95.0 % 0.00900 94.5 % 0.00600 95.4 %	0.012 90-110 0.012 90-110 0.012 90-110 0.012 90-110	
			CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270 1.270 1.270	0.00300 94.2 % 0.00600 95.0 % 0.00900 94.5 % 0.00600 95.4 %	0.012 90-110 0.012 90-110 0.012 90-110 0.012 90-110	
			CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270 1.270 1.270	0.00300 94.2 % 0.00600 95.0 % 0.00900 94.5 % 0.00600 95.4 %	0.012 90-110 0.012 90-110 0.012 90-110 0.012 90-110	
			CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	1.270 1.270 1.270 1.270 1.270 1.270	0.00300 94.2 % 0.00600 95.0 % 0.00900 94.5 % 0.00600 95.4 %	0.012 90-110 0.012 90-110 0.012 90-110 0.012 90-110	
Phosphorus	4500-P B	09/29/16:211772sjn (CC 1683197-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	0.5000 0.2500 0.2500 0.2500 0.2500	ND 101 % -1090 % -1100 % 0.5%	<0.1 90-116 ≤¼ ≤¼ ≤13.2	
Total Phosphorus	4500PE	09/30/16:214191SJN	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	0.5000 0.5000 0.5000 0.5000	-0.005 99.4 % -0.014 95.0 %	0.1 90-110 0.1 90-110	
BOD	5210B	09/22/16:211424KMM (SP 1611227-001) (SP 1611227-001)	RgBlk LCS Dup Dup	mg/L mg/L mg/L mg/L	198.0	0.12 0.0 % 4.9% 2.3%	2 84.6-115 15.9 15.9	325
			CCV CCV	mg/L mg/L	1.000 1.000	94.0 % 93.0 %	80-120 80-120	
			CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	1.000 1.000 1.000 1.000	-0.0549 101 % -0.0549 105 %	0.25 90-110 0.25 90-110	
			CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	1.000 1.000 1.000 1.000	-0.0549 99.9 % -0.0549 99.9 %	0.25 90-110 0.25 90-110	
MBAS	5540C	09/21/16:213798jba	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	1.000 1.000 1.000 1.000	-0.0549 101 % -0.0549 105 %	0.25 90-110 0.25 90-110	
MBAS Extraction	5540C	09/21/16:211431jba	Blank	mg/L		ND	<0.1	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem MBAS Extraction	5540C	09/21/16:211431jba	LCS	mg/L	0.5000	106 %	86-114	
			BS	mg/L	0.5000	102 %	86-114	
			BSD	mg/L	0.5000	102 %	86-114	
			BSRPD	mg/L	0.5000	0.0%	≤5	
	5540C	09/23/16:211523jba	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	102 %	86-114	
			BS	mg/L	0.5000	102 %	86-114	
			BSD	mg/L	0.5000	102 %	86-114	
			BSRPD	mg/L	0.5000	0.0	≤0.1	
Nitrogen, Total Kjeldahl	EPA351.2	09/26/16:211902AMB	CCB	mg/L		-0.167	0.5	
			CCV	mg/L	5.000	99.4 %	90-110	
			CCB	mg/L		-0.185	0.5	
			CCV	mg/L	5.000	101 %	90-110	
			CCB	mg/L		-0.021	0.5	
			CCV	mg/L	5.000	95.9 %	90-110	
	EPA351.2	09/27/16:213984AMB	CCB	mg/L		-0.352	0.5	
			CCV	mg/L	5.000	96.6 %	90-110	
			CCB	mg/L		-0.382	0.5	
			CCV	mg/L	5.000	106 %	90-110	
	EPA351.2	09/29/16:214141AMB	CCB	mg/L		0.261	0.5	
			CCV	mg/L	5.000	95.1 %	90-110	
			CCB	mg/L		-0.180	0.5	
			CCV	mg/L	5.000	95.4 %	90-110	
			CCB	mg/L		-0.139	0.5	
			CCV	mg/L	5.000	96.6 %	90-110	
			CCB	mg/L		-0.142	0.5	
			CCV	mg/L	5.000	90.4 %	90-110	
	EPA351.2	10/14/16:215021AMB	CCB	mg/L		-0.220	0.5	
			CCV	mg/L	5.000	102 %	90-110	
			CCB	mg/L		-0.257	0.5	
			CCV	mg/L	5.000	95.9 %	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 analyte. 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.							

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
Customer : 2-25173

Quality Control - Inorganic

Definition	
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	
325	: The LCS was out of acceptance limits. Results may be biased low.
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.
440	: Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
Customer : 2-25173

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	10/05/16:214474caa	CCV CCB	cpm cpm	8568	42.5 % 0.100	39 - 47 0.16	
Beta	900.0	10/04/16:214439caa	CCV CCB	cpm cpm	8954	98.9 % 0.4800	89 - 108 0.55	
	900.0	10/04/16:214440caa	CCV CCB	cpm cpm	8569	103 % 0.4000	93 - 113 0.49	
Gross Alpha	900.0	09/30/16:211777ELC (SP 1611118-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	107.4 107.4 107.4 107.4	0.31 119 % 128 % 122 % 4.7%	3 75-125 60-140 60-140 ≤30	
Gross Beta	900.0	09/30/16:211777ELC (SP 1611118-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	74.26 74.26 74.26 74.26 107.4	0.04 83.1 % 40.2 % 43.8 % 7.6%	4 75-125 80-130 80-130 ≤30	435 435
Alpha	903.0	10/03/16:214423caa	CCV CCB	cpm cpm	8569	42.4 % 0.100	38 - 47 0.19	
Total Alpha Radium (226)	903.0	09/28/16:211720emv	RgBlk LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	21.86 21.86 21.86 21.86	0.01 76.9 % 73.5 % 72.6 % 1.3%	2 52-107 43-111 43-111 ≤35.5	
Beta	905.0	09/29/16:214239caa	CCV CCB	cpm cpm	8957	99.4 % 0.4800	89 - 109 0.52	
	905.0	10/05/16:214572caa	CCV CCB	cpm cpm	8952	99.6 % 0.4400	89 - 109 0.52	
Total Strontium	905.0	09/27/16:211658emv	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	40.57 40.57 40.57 40.57	0.74 66.9 % 96.6 % 90.6 % 6.5%	2 53-133 75-125 75-125 ≤20	
	905.0	10/03/16:211855emv	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	40.56 40.55 40.55 40.55	0.69 66.6 % 83.4 % 78.4 % 6.2%	2 53-133 75-125 75-125 ≤20	
Tritium	906.0	09/26/16:211527caa	Blank LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	1560 1560 1560 1560	-5 112 % 121 % 122 % 0.8%	<300 75-125 75-125 75-125 ≤25	
	906.0	09/27/16:214017caa	CCV CCB	pCi/L pCi/L	30040	108 % 2	90-110 500	
Alpha	908.0	09/28/16:214183caa	CCV CCB	cpm cpm	8572	42.9 % 0.0600	43 - 52 0.12	
Uranium	908.0	09/27/16:211585caa	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	20.97 20.97 20.97 20.97	0.18 65.2 % 94.7 % 93.4 % 1.3%	1 54-105 75-125 75-125 ≤20	
Beta	Ra - 05	10/04/16:214499caa	CCV CCB	cpm cpm	8953	98.7 % 0.4600	89 - 108 0.55	
	Ra - 05	10/04/16:214503caa	CCV CCB	cpm cpm	8953	98.4 % 0.4000	89 - 109 0.49	

October 14, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611199
 Customer : 2-25173

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Ra 228	Ra - 05	10/03/16:211657emv	RgBlk	pCi/L		0.18	3	
			LRS	pCi/L	77.80	52.3 %	27-59	
			BS	pCi/L	77.80	88.4 %	75-125	
			BSD	pCi/L	77.80	96.3 %	75-125	
			BSRPD	pCi/L	77.80	8.5%	≤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 analyte. 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								
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.							

October 13, 2016

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

Subject: Subcontract Analysis for FGL Lab No. SP 1611199

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: 2016-10-13

Enclosure



October 08, 2016

Vista Work Order No. 1601215

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 22, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1611199- (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. 1601215**Case Narrative****Sample Condition on Receipt:**

Four 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.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1601215-01	MCWP-MW04S	21-Sep-16 12:45	22-Sep-16 10:15	Amber Glass NM Bottle, 1L
1601215-02	SMBRP-12	21-Sep-16 10:10	22-Sep-16 10:15	Amber Glass NM Bottle, 1L
1601215-03	MCWP-MW09	21-Sep-16 11:30	22-Sep-16 10:15	Amber Glass NM Bottle, 1L
1601215-04	TY-MW-1	21-Sep-16 08:30	22-Sep-16 10:15	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Aqueous Sample Size: 1.00 L			QC Batch: B6I0157 Date Extracted: 27-Sep-2016 8:58		Lab Sample: B6I0157-BLK1 Date Analyzed : 29-Sep-16 14:53 Column: ZB-5MS Analyst: ANP				
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	5.00	1.08		IS 13C-2,3,7,8-TCDD	93.3	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

Sample ID: OPR					EPA Method 1613B		
Matrix: Aqueous Sample Size: 1.00 L		QC Batch: B6I0157 Date Extracted: 27-Sep-2016 8:58			Lab Sample: B6I0157-BS1 Date Analyzed: 29-Sep-16 11:14 Column: ZB-5MS Analyst: ANP		
Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	186	200	93.1	73 - 146	IS 13C-2,3,7,8-TCDD	93.1	25 - 141
					CRS 37Cl-2,3,7,8-TCDD	110	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 1611199- (2-25173) Date Collected: 21-Sep-2016 12:45			Sample Data Matrix: Monitoring Well Sample Size: 0.992 L		Laboratory Data Lab Sample: 1601215-01 Date Received: 22-Sep-2016 10:15 QC Batch: B6I0157 Date Extracted: 27-Sep-2016 9:02 Date Analyzed : 29-Sep-16 19:43 Column: ZB-5MS Analyst: ANP			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	5.04	1.08		IS 13C-2,3,7,8-TCDD	95.2	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	112	42 - 164	
MDL - Method detection limit					LCL-UCL- Lower control limit - upper control limit			
RL - Reporting limit								

Sample ID: SMBRP-12					EPA Method 1613B			
Client Data Name: FGL Environmental, Inc. Project: SP 1611199- (2-25173) Date Collected: 21-Sep-2016 10:10			Sample Data Matrix: Monitoring Well Sample Size: 1.00 L		Laboratory Data Lab Sample: 1601215-02 Date Received: 22-Sep-2016 10:15 QC Batch: B6I0157 Date Extracted: 27-Sep-2016 9:02 Date Analyzed : 29-Sep-16 20:31 Column: ZB-5MS Analyst: ANP			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	4.99	1.08		IS 13C-2,3,7,8-TCDD	95.0	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	108	42 - 164	
MDL - Method detection limit					LCL-UCL- Lower control limit - upper control limit			
RL - Reporting limit								

Sample ID: MCWP-MW09					EPA Method 1613B			
Client Data Name: FGL Environmental, Inc. Project: SP 1611199- (2-25173) Date Collected: 21-Sep-2016 11:30			Sample Data Matrix: Monitoring Well Sample Size: 1.01 L		Laboratory Data Lab Sample: 1601215-03 Date Received: 22-Sep-2016 10:15 QC Batch: B6I0157 Date Extracted: 27-Sep-2016 9:02 Date Analyzed : 30-Sep-16 12:43 Column: ZB-5MS Analyst: ANP			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	4.96	1.08		IS 13C-2,3,7,8-TCDD	85.4	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	105	42 - 164	
MDL - Method detection limit					LCL-UCL- Lower control limit - upper control limit			
RL - Reporting limit								

Sample ID: TY-MW-1					EPA Method 1613B			
Client Data Name: FGL Environmental, Inc. Project: SP 1611199- (2-25173) Date Collected: 21-Sep-2016 8:30			Sample Data Matrix: Monitoring Well Sample Size: 1.01 L		Laboratory Data Lab Sample: 1601215-04 Date Received: 22-Sep-2016 10:15 QC Batch: B6I0157 Date Extracted: 27-Sep-2016 9:02 Date Analyzed : 30-Sep-16 13:31 Column: ZB-5MS Analyst: ANP			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	4.94	1.08		IS 13C-2,3,7,8-TCDD	87.1	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	107	42 - 164	
MDL - Method detection limit					LCL-UCL- Lower control limit - upper control limit			
RL - Reporting limit								

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.
*	See Cover Letter
Conc.	Concentration
NA	Not applicable
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
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

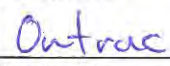
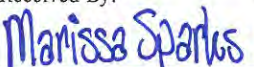
MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, 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

1601215, 1.0

				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 1611199 - (2-25173) Purchase Order Number:				Method of Sampling: Composite(C) Grab(G) Type of Sample **SEE REVERSE SIDE** Porable(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)													
Sampler(s) Rincon (Field)																	
Compositor Setup Date: ____/____/____ Time: ____/____																	
Lab Number:																	
Samp Num	Location Description	Date Sampled	Time Sampled	G	MW												
2	MCWP-MW04S	09/21/16	12:45	G	MW												
4	SMBRP-12	09/21/16	10:10	G	MW												
7	MCWP-MW09	09/21/16	11:30	G	MW												
8	TY-MW-1	09/21/16	08:30	G	MW												
Remarks:				Relinquished		Date:	Time:	Relinquished		Date:	Time:	Relinquished		Date:	Time:		
						9/21/16	17:30										
				Received By:		Date:	Time:	Received By:		Date:	Time:	Received By:		Date:	Time:		
										9/22/16	1027						

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1601215 TAT 21

Samples Arrival:	Date/Time 9/22/16 1015	Initials: MWS	Location: WR-2 Shelf/Rack: N/2
Logged In:	Date/Time 9/22/16 1621	Initials: SR	Location: WR-2 Shelf/Rack: B4
Delivered By:	FedEx	UPS	<u>On Trac</u> DHL Hand Delivered Other
Preservation:	<u>Ice</u>	<u>Blue Ice</u>	Dry Ice None
Temp °C: 10.3 (uncorrected)	Time: 1025	Thermometer ID: IR-1	
Temp °C: 10.0 (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 # <u>010011011847467</u>	✓		
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 ₂ S ₂ O ₃	Trizma	Yes <u>No</u> NA
Shipping Container	<u>Vista</u>	Client	Retain Return Dispose

Comments:

October 13, 2016

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

Subject: Subcontract Analysis for FGL Lab No. SP 1611199

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

- Subcontracted - Asbestos

Please note that this analysis was performed by EMSL Analytical, Inc. dba LA Testing

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre  Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2016-10-13

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: 321620882
Customer ID: FGLE25
Customer PO:
Project ID:

Attn: FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/21/2016
Received: 09/22/2016
Analyzed: 10/06/2016

Proj: 1611199- (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 (mm ²)	Area Analyzed (mm ²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration MFL (million fibers per liter)	Confidence Limits
2 321620882-0001	9/22/2016 10:05 AM	30	1288	0.2227	None Detected	ND	0.19	<0.19	0.00 - 0.71
4 321620882-0002	9/22/2016 10:05 AM	5	1288	0.2620	None Detected	ND	0.98	<0.98	0.00 - 3.60
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									
7 321620882-0003	9/22/2016 10:05 AM	15	1288	0.2620	None Detected	ND	0.33	<0.33	0.00 - 1.20
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									
8 321620882-0004	9/22/2016 10:05 AM	1	1288	0.2620	None Detected	ND	4.90	<4.90	0.00 - 18.00
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									

Analyst(s)

Sherrie Ahmad (4)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 10/06/2016 09:24:46

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤ 0.01 MFL > 10µm. 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

Page 1 of 1

October 4, 2016

Rincon Consultants, Inc.

Attn: Torin Snyder

180 N. Ashwood Ave.

Ventura, CA 93003

SP 1611294:5-6 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 1611294-005	MCWP-04D	Source-Other	Rincon	Rincon	09/22/2016 11:15	09/22/2016 15:56 RV	09/24/2016 RV
2	SP 1611294-006	MCWP-07D	Source-Other	Rincon	Rincon	09/22/2016 08:30	09/22/2016 15:53 RV	09/24/2016 RV

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			
2	MCWP-07D	---	---	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: 2016-10-04

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 93201
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 13, 2016

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

Lab ID : SP 1611294
 Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 77 pages divided into 3 sections:

Case Narrative	(7 pages)	: An overview of the work performed at FGL.
Sample Results	(31 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
MCWP-04D	09/22/2016	09/22/2016	SP 1611294-005	MW
MCWP-07D	09/22/2016	09/22/2016	SP 1611294-006	MW
MCWP-MW06	09/21/2016	09/22/2016	SP 1611294-016	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 1611294-005	Chlorine, Total	15	408 Minutes
SP 1611294-005	pH	15	1696.2 Minutes
SP 1611294-006	Chlorine, Total	15	573 Minutes
SP 1611294-006	pH	15	1861.2 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	09/24/2016:213893 All analysis quality controls are within established criteria.
	09/24/2016:211518 All preparation quality controls are within established criteria.
200.8	10/04/2016:214508 All analysis quality controls are within established criteria.

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
 Customer : 2-25173

Inorganic - Metals QC

200.8	10/05/2016:214575 All analysis quality controls are within established criteria.
245.1	10/05/2016:214518 All analysis quality controls are within established criteria.
	10/04/2016:211963 All preparation quality controls are within established criteria.
3010	10/04/2016:211956 All preparation quality controls are within established criteria, except: The following note applies to Barium: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Barium: 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.

Organic QC

504	09/27/2016:211607 All preparation quality controls are within established criteria.
504.1	09/28/2016:214053 All analysis quality controls are within established criteria.
505	09/27/2016:213930 All analysis quality controls are within established criteria.
	09/26/2016:211552 All preparation quality controls are within established criteria, except: The following note applies to Tetrachloro-m-xylene: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
507	10/05/2016:214531 All analysis quality controls are within established criteria.
	09/28/2016:211665 All preparation quality controls are within established criteria, except: The following note applies to Metribuzin: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
515.3	10/01/2016:214256 All analysis quality controls are within established criteria.
	09/27/2016:211634 All preparation quality controls are within established criteria.
524.2	09/23/2016:214001 All analysis quality controls are within established criteria, except: The following note applies to Dibromochloromethane, Bromoform, Bromomethane (Methyl Bromide), Dichlorodifluoromethane, Trichlorofluoromethane F-11, Ch: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/22/2016:211610 All preparation quality controls are within established criteria, except:

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
 Customer : 2-25173

Organic QC

524.2	The following note applies to TAME: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Ethyl tert-Butyl Ether, TAME: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
531.1	09/29/2016:214102 All analysis quality controls are within established criteria.
	09/28/2016:211702 All preparation quality controls are within established criteria, except: The following note applies to Aldicarb Sulfone/Sulfoxide, Oxamyl: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
5310C	09/27/2016:214089 All analysis quality controls are within established criteria.
	09/26/2016:211516 All preparation quality controls are within established criteria.
547	09/30/2016:214211 All analysis quality controls are within established criteria.
	09/29/2016:211782 All preparation quality controls are within established criteria.
548.1	10/07/2016:214670 All analysis quality controls are within established criteria.
	09/27/2016:211622 All preparation quality controls are within established criteria.
549	09/22/2016:211450 All preparation quality controls are within established criteria.
549.2	09/23/2016:213932 All analysis quality controls are within established criteria.
552	09/28/2016:211687 All preparation quality controls are within established criteria, except: The following note applies to Trichloroacetic Acid: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
552.2	09/29/2016:214149 All analysis quality controls are within established criteria.
608	09/29/2016:214106 All analysis quality controls are within established criteria.
	09/27/2016:211539 All preparation quality controls are within established criteria.
624	09/22/2016:213938 All analysis quality controls are within established criteria, except:

Organic QC

624	The following note applies to 1,1-Dichloroethane, 1,4-Dichlorobenzene, Bromoform, Bromomethane (Methyl Bromide), Chloromethane(Methyl Chloride): 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. 09/22/2016:211564 All preparation quality controls are within established criteria, except: The following note applies to 2-Chloroethylvinyl ether, Bromomethane (Methyl Bromide), Chloromethane(Methyl Chloride), Vinyl Chloride: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Fluorobenzene: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
625	10/04/2016:214509 All analysis quality controls are within established criteria, except: The following note applies to Nitrobenzene-d5, p-Chloro-m-cresol: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. The following note applies to Nitrobenzene-d5: 362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports. 09/28/2016:211666 All preparation quality controls are within established criteria, except: The following note applies to 2,4,6-Tribromophenol, bis(2-Chloroethyl)ether, 3,3-Dichlorobenzidine, Dimethylphthalate: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to bis(2-Chloroisopropyl)ether, Hexachlorocyclopentadiene, Diethylphthalate, Dimethylphthalate, Nitrobenzene, Nitrobenzene-: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery. The following note applies to Butylbenzylphthalate, Benzidine, 3,3-Dichlorobenzidine, Hexachlorobutadiene, Hexachloroethane, Isophorone, Nitrobenzene,,: 310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted. The following note applies to Butylbenzylphthalate, Benzidine: 320 LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery.
625P	10/01/2016:214450 All analysis quality controls are within established criteria. 09/27/2016:211614 All preparation quality controls are within established criteria, except: The following note applies to Aldrin: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to Aldrin, Endrin: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
 Customer : 2-25173

Radio QC

900.0	10/06/2016:214751 All analysis quality controls are within established criteria.
	10/05/2016:212000 All preparation quality controls are within established criteria, except: The following note applies to Gross Alpha, Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	10/04/2016:214423 All analysis quality controls are within established criteria.
	09/28/2016:211720 All preparation quality controls are within established criteria.
905.0	10/05/2016:214572 All analysis quality controls are within established criteria.
	10/03/2016:211855 All preparation quality controls are within established criteria.
906.0	09/27/2016:214017 All analysis quality controls are within established criteria.
	09/26/2016:211527 All preparation quality controls are within established criteria.
908.0	09/30/2016:214335 All analysis quality controls are within established criteria.
	09/29/2016:211728 All preparation quality controls are within established criteria.
Ra - 05	10/05/2016:214574 All analysis quality controls are within established criteria.
	10/05/2016:214576 All analysis quality controls are within established criteria.
	10/03/2016:211719 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

1664A	10/06/2016:212024 All preparation quality controls are within established criteria.
2120B	09/23/2016:214268 All analysis quality controls are within established criteria.
	09/23/2016:211828 All preparation quality controls are within established criteria.
2130B	09/23/2016:213889 All analysis quality controls are within established criteria.
	09/23/2016:211432 All preparation quality controls are within established criteria.
2150B	09/23/2016:211834 All preparation quality controls are within established criteria.

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
 Customer : 2-25173

Inorganic - Wet Chemistry QC

218.6	09/30/2016:214421 All analysis quality controls are within established criteria.
	09/30/2016:211954 All preparation quality controls are within established criteria.
2320B	09/23/2016:213890 All analysis quality controls are within established criteria.
	09/23/2016:211471 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO ₃), Bicarbonate: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
2510B	09/23/2016:213844 All analysis quality controls are within established criteria.
	09/23/2016:211472 All preparation quality controls are within established criteria.
2540CE	09/26/2016:211570 All preparation quality controls are within established criteria.
2540D	09/27/2016:211589 All preparation quality controls are within established criteria.
300.0	09/23/2016:214031 All analysis quality controls are within established criteria.
	09/23/2016:211595 All preparation quality controls are within established criteria, except: The following note applies to Nitrate: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
314.0	10/07/2016:214738 All analysis quality controls are within established criteria.
	10/07/2016:212135 All preparation quality controls are within established criteria.
351.2	09/26/2016:211529 All preparation quality controls are within established criteria.
4500CIG	09/22/2016:213837 All analysis quality controls are within established criteria.
	09/22/2016:211467 All preparation quality controls are within established criteria.
4500CNCE	10/02/2016:214314 All analysis quality controls are within established criteria.
	10/02/2016:211864 All preparation quality controls are within established criteria.
4500-H B	09/23/2016:211504 All preparation quality controls are within established criteria.
4500HB	09/23/2016:213872 All analysis quality controls are within established criteria.

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NH3G	09/29/2016:214161 All analysis quality controls are within established criteria.
	09/30/2016:214218 All analysis quality controls are within established criteria.
	09/29/2016:211726 All preparation quality controls are within established criteria.
	09/30/2016:211784 All preparation quality controls are within established criteria.
4500NO3F	09/23/2016:213928 All analysis quality controls are within established criteria.
	09/23/2016:211483 All preparation quality controls are within established criteria.
4500-P B	09/30/2016:211822 All preparation quality controls are within established criteria.
4500PE	10/01/2016:214259 All analysis quality controls are within established criteria.
5210B	09/28/2016:214193 All analysis quality controls are within established criteria.
	09/23/2016:211475 All preparation quality controls are within established criteria, except: The following note applies to BOD: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
5540C	09/23/2016:213888 All analysis quality controls are within established criteria.
	09/23/2016:211523 All preparation quality controls are within established criteria.
EPA351.2	09/27/2016:213984 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: 2016-10-13

October 13, 2016

Lab ID : SP 1611294-005

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 22, 2016-11:15
 Sampled By : Rincon
 Received On : September 22, 2016-15:40
 Matrix : Monitoring Well

Description : MCWP-04D
 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 P:1/5													
Total Hardness as CaCO3	810	2.5	0.0065	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Calcium	167	1	0.0065	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Magnesium	95.5	1	0.0037	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Potassium	2.86	1	0.065	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Sodium	184	1	0.27	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Total Cations	24.3	0.1	0.0065	meq/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Boron	0.774	0.05	0.0050	mg/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Copper	ND	10	1.2	ug/L	1	U	200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Iron	78.4	50	5.0	ug/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Manganese	10.5	10	0.099	ug/L	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Zinc	1.44	20	1.0	ug/L	1	J	200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
SAR	2.81	0.1	0.0065	--	1		200.7	211518	09/24/16	13:30	200.7	213893-IT203	09/24/16-19:15AC
Total Alkalinity (as CaCO3)	307	10	1.1	mg/L	1	J	2320B	211471	09/23/16	04:45	2320B	213890-MT201	09/23/16-14:53AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211471	09/23/16	04:45	2320B	213890-MT201	09/23/16-14:53AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211471	09/23/16	04:45	2320B	213890-MT201	09/23/16-14:53AMB
Bicarbonate as HCO3	375	10	1.1	mg/L	1.000	J	2320B	211471	09/23/16	04:45	2320B	213890-MT201	09/23/16-14:53AMB
Sulfate	531	5	0.015	mg/L	5	b	300.0	211595	09/23/16	10:40	300.0	214031-IC210	09/23/16-12:23MCA
Chloride	232	5	0.0045	mg/L	5		300.0	211595	09/23/16	10:40	300.0	214031-IC210	09/23/16-12:23MCA
Nitrate as NO3	8.63	0.4	0.0032	mg/L	1	l	300.0	211595	09/23/16	10:40	300.0	214031-IC210	09/23/16-11:46MCA
Nitrite as N	ND	0.1	0.0010	mg/L	1	U	300.0	211595	09/23/16	10:40	300.0	214031-IC210	09/23/16-11:46MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral ^{P:15}												
Nitrate + Nitrite as N	1.90	0.1	0.0032	mg/L	1	I	300.0	211595	09/23/16 10:40	300.0	214031-IC210	09/23/16-11:46MCA
Fluoride	0.630	0.1	0.0021	mg/L	1		300.0	211595	09/23/16 10:40	300.0	214031-IC210	09/23/16-11:46MCA
Total Anions	23.9	0.1	1.1	meq/L	1.000	Jbl	2320B	211471	09/23/16 04:45	2320B	213890-MT201	09/23/16-14:53AMB
pH	7.13	--	0.0	units	1	T	4500-H B	211504	09/23/16 15:31	4500HB	213872-PH203	09/23/16-15:41JMG
Specific Conductance	2220	1	0.0	umhos/cm	1		2510B	211472	09/23/16 09:27	2510B	213844-EC206	09/23/16-11:25JMG
Total Dissolved Solids	1550	40	5.8	mg/L	1		2540CE	211570	09/26/16 15:48	2540C	213989-WT219	09/27/16-10:07CTL
MBAS (foaming agents)	0.0226	0.1	0.0053	mg/L	1	Jb	5540C	211523	09/23/16 09:07	5540C	213888-UV207	09/23/16-17:25JBA
Aggressiveness Index	12.2	1	0.0	--	1		4500-H B	211504	09/23/16 15:31	4500HB	213872-PH203	09/23/16-15:41JMG
Langelier Index (20°C)	0.3	1	0.0	--	1	J	4500-H B	211504	09/23/16 15:31	4500HB	213872-PH203	09/23/16-15:41JMG
Nitrate Nitrogen	1.90	0.1	0.00080	mg/L	1	I	300.0	211595	09/23/16 10:40	300.0	214031-IC210	09/23/16-11:46MCA
Metals, Total ^{P:15}												
Aluminum	0.00791	0.01	0.000050	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Antimony	0.000137	0.001	0.000044	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Arsenic	0.00193	0.002	0.000047	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Barium	0.0379	0.0002	0.000026	mg/L	1	hP	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Cadmium	0.000141	0.0002	0.000031	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Chromium	0.000428	0.001	0.000066	mg/L	1	J	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Copper	0.00139	0.001	0.000071	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Lead	0.000535	0.0002	0.000013	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Mercury	0.00000439	0.00001	0.0000021	mg/L	1	J	245.1	211963	10/04/16 13:00	245.1	214518-HG204	10/05/16-12:36AC
Nickel	0.00419	0.001	0.000040	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Selenium	0.00534	0.002	0.00017	mg/L	1		3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Silver	ND	0.00025	0.000022	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Chromium III	ND	0.001	0.000066	mg/L	1	Jb	3010	211956	10/04/16 03:30	200.8	214508-IX202	10/04/16-14:23AC
Wet Chemistry ^{AGT:1}												
BOD	0.8	2	0.19	mg/L	1	J	5210B	211475	09/23/16 15:04	5210B	214193-O2204	09/28/16-15:49AMM
Chlorine, Total	ND	0.1	0.069	mg/L	1	UT	4500CIG	211467	09/22/16 18:03	4500CIG	213837-UV207	09/22/16-18:39SJN
Chromium VI	0.492	0.1	0.012	ug/L	1	b	218.6	211954	09/30/16 16:50	218.6	214421-IC209	09/30/16-21:03MCA

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry AGT:1												
Color	<5.00	5	0.0	units	1	U	2120B	211828	09/23/16 11:40	2120B	214268-JMG	09/23/16-11:50jmg
Cyanide, Total	ND	0.01	0.0023	mg/L	1	U	4500CNCE	211864	10/02/16 14:30	4500CNCE	214314-UV207	10/02/16-17:01AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:19AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:19AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	211529	09/26/16 08:50	EPA351.2	213984-FI206	09/27/16-08:35AMB
Nitrogen, Total as Nitrogen	1.90	0.5	0.32	mg/L	1	l	351.2	211529	09/26/16 08:50	EPA351.2	213984-FI206	09/27/16-08:35AMB
Nitrate + Nitrite as N	1.90	0.1	0.0032	mg/L	1	l	300.0	211595	09/23/16 10:40	300.0	214031-IC210	09/23/16-11:46MCA
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	211529	09/26/16 08:50	EPA351.2	213984-FI206	09/27/16-08:35AMB
Odor	ND	1	0.0	TON	1	U	2150B	211834	09/23/16 08:15	2150B	214277-JMG	09/23/16-08:40jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.1111	U	1664A	212024	10/06/16 14:06	1664A	214674-WT215	10/07/16-16:22AMM
Phosphorus, Total	0.0613	0.1	0.031	mg/L	1	J	4500-P B	211822	09/30/16 14:43	4500PE	214259-UV205	10/01/16-11:18SJN
Solids, Total Suspended (TSS)	0.632	1.1	0.49	mg/L	1.0526	J	2540D	211589	09/27/16 08:50	2540D	214125-WT215	09/28/16-16:45jba
Turbidity	1.08	0.2	0.048	NTU	1		2130B	211432	09/23/16 11:37	2130B	213889-TR203	09/23/16-11:40JBA
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	212135	10/07/16 13:30	314.0	214738-IC207	10/07/16-18:33SBL
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.											
P	Post Digestion Spike (PDS) not within Acceptance Range (AR).											
T	Exceeded method-specific holding time.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 13, 2016

Lab ID : SP 1611294-005

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 22, 2016-11:15

Sampled By : Rincon

Received On : September 22, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-04D

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 VOA:1												
1,3-Dibromopropane [‡]	120	70-130		%	0.99386		504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-12:59SBL
DBCP	ND	0.0099	0.0057	ug/L	0.99386	U	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-12:59SBL
EDB	ND	0.02	0.0027	ug/L	0.99386	Ub	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-12:59SBL
EPA 505 VOA:1												
Tetrachloro-m-xylene [‡]	110	70-130		%	0.99328		505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Alachlor	ND	0.2	0.13	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Aldrin	ND	0.0099	0.0040	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Chlordane	ND	0.099	0.041	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Dieldrin	ND	0.0099	0.0024	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Endrin	ND	0.0099	0.0054	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Heptachlor	ND	0.0099	0.0026	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Heptachlor Epoxide	ND	0.0099	0.0046	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Hexachlorobenzene	ND	0.0099	0.0031	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Hexachlorocyclopentadiene	ND	0.099	0.027	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Methoxychlor	ND	0.099	0.0098	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
Toxaphene	ND	0.5	0.11	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
PCB 1016	ND	0.5	0.22	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
PCB 1221	ND	0.5	0.067	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
PCB 1232	ND	0.5	0.13	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.5	0.14	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
PCB 1248	ND	0.5	0.064	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
PCB 1254	ND	0.5	0.026	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
PCB 1260	ND	0.5	0.055	ug/L	0.99328	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-08:42SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	80.4	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Prometryne	ND	2	0.095	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-20:39SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	98.0	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 ^{AGT:1}												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:11SG
EPA 524.2 ^{VOA:13}												
4-Bromofluorobenzene [‡]	95.7	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,2-Dichlorobenzene-d4 [‡]	96.7	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Benzene	ND	0.5	0.081	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Bromoform	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Bromomethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Chloroethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Chloroform	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Chloromethane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Naphthalene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Styrene	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	Ufh	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Toluene	ND	0.5	0.055	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	ND	0.5	0.060	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
Total Trihalomethanes	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-01:55VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-08:29SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-08:29SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-08:29SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-08:29SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-08:29SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-08:29SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-08:29SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-08:29SG
EPA 547 AGT:1												
Glyphosate	1.15	20	0.97	ug/L	1	J	547	211782	09/29/16 13:01	547	214211-LC204	09/30/16-14:12SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211622	09/27/16 13:31	548.1	214670-GC220	10/07/16-22:42SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-17:04SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	98.1	70-130		%	1		552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-16:40SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	U	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-16:40SBL
Chloroacetic Acid	0.795	2	0.28	ug/L	1	J	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-16:40SBL
Dibromoacetic Acid	ND	1	0.25	ug/L	1	U	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-16:40SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	U	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-16:40SBL
Trichloroacetic Acid	0.527	1	0.39	ug/L	1	Jb	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-16:40SBL
Haloacetic acids (five)	1.32	1	0.55	ug/L	1	Jb	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-16:40SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	72.3	15-143		%	0.93458		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
Chlordane	ND	1.9	0.32	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
PCB 1221	ND	0.47	0.084	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
PCB 1248	ND	0.47	0.064	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-09:47SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	89.8	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Fluorobenzene [‡]	84.0	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Pentafluorobenzene [‡]	66.8	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Chloroform	ND	0.5	0.045	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-22:34VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	76.7	10-99		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2-Fluorophenol [‡]	75.2	15-96		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Nitrobenzene-d5 [‡]	97.5	11-102		%	0.93458	H	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Phenol-d6 [‡]	64.9	9-103		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
p-Terphenyl-d14 [‡]	87.5	25-123		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2,4,6-Tribromophenol [‡]	75.7	17-97		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Acenaphthene	ND	0.93	0.50	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Acenaphthylene	ND	0.93	0.39	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Anthracene	ND	0.93	0.43	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Benzidine	ND	9.3	1.8	ug/L	0.93458	UL	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Benzo(a)anthracene	ND	0.93	0.43	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Benzo(b)fluoranthene	ND	0.93	0.37	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Benzo(k)fluoranthene	ND	0.93	0.50	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Benzo(g,h,i)perylene	ND	0.93	0.40	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Benzo(a)pyrene	ND	0.93	0.40	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
4-Bromophenylphenylether	ND	0.93	0.46	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.93458	UL	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
bis(2-Chloroethoxy)methane	ND	0.93	0.56	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
bis(2-Chloroethyl)ether	ND	0.93	0.52	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
bis(2-Chloroisopropyl)ether	ND	0.93	0.53	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
bis(2-Ethylhexyl)phthalate	1.15	1.9	0.41	ug/L	0.93458	J	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2-Chloronaphthalene	ND	0.93	0.63	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
4-Chlorophenylphenylether	ND	0.93	0.62	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Chrysene	ND	0.93	0.51	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Dibenzo(a,h)anthracene	ND	0.93	0.37	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Di-n-butylphthalate	ND	1.9	0.35	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
1,2-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
1,3-Dichlorobenzene	ND	0.93	0.45	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
1,4-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
3,3'-Dichlorobenzidine	ND	0.93	0.43	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Diethylphthalate	ND	0.93	0.34	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Dimethylphthalate	ND	0.93	0.31	ug/L	0.93458	UL	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
4,6-Dinitro-2-methylphenol	ND	0.93	0.43	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2,4-Dinitrotoluene	ND	0.93	0.49	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2,6-Dinitrotoluene	ND	0.93	0.55	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Di-n-octylphthalate	ND	0.93	0.31	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Fluoranthene	ND	0.93	0.44	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Fluorene	ND	0.93	0.62	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Hexachlorobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Hexachlorobutadiene	ND	0.93	0.45	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Hexachlorocyclopentadiene	ND	0.93	0.24	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Hexachloroethane	ND	0.93	0.43	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Indeno(1,2,3-c,d)pyrene	ND	0.93	0.38	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Isophorone	ND	0.93	0.41	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Naphthalene	ND	0.93	0.55	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Nitrobenzene	ND	0.93	0.47	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
N-Nitrosodiphenylamine	ND	0.93	0.74	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
N-Nitrosodi-n-propylamine	ND	0.93	0.53	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Phenanthrene	ND	0.93	0.50	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Phenol	ND	0.93	0.88	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Pyrene	ND	0.93	0.46	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
Pyridine	ND	9.3	0.32	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
1,2,4-Trichlorobenzene	ND	0.93	0.48	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2,4,6-Trichlorophenol	ND	0.93	0.90	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
1,2-Diphenylhydrazine	ND	0.93	0.47	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-20:54SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.7	0.91	ng/L	0.9434	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Alpha BHC	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Beta BHC	ND	4.7	1.5	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Delta BHC	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Dieldrin	ND	4.7	1.5	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Endosulfan I	ND	4.7	2.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Endosulfan II	ND	4.7	2.1	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Endrin	ND	4.7	1.3	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Heptachlor	ND	4.7	1.8	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Methoxychlor	ND	4.7	0.46	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
cis_Nonachlor	ND	47	1.6	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
o,p - DDD	ND	4.7	0.54	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
o,p - DDE	ND	4.7	0.35	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
o,p - DDT	ND	4.7	0.95	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
trans-Nonachlor	ND	47	1.2	ng/L	0.9434	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
Tetrachloro-m-xylene [‡]	65.8	26-90		%	0.9434		625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-01:31SG
TOC ^{AVT:14}												
TOC	0.715	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-16:01AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 13, 2016

Lab ID : SP 1611294-005

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 22, 2016-11:15

Sampled By : Rincon

Received On : September 22, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-04D

Project : Malibu WWTP - Baseline GWM

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	5.66 ± 1.97	1.60	pCi/L	15	h	900.0	212000	10/05/16 09:40	900.0	214751-GP219	10/06/16-08:00caa
Gross Beta	11.0 ± 2.59	2.45	pCi/L	50	l	900.0	212000	10/05/16 09:40	900.0	214751-GP219	10/06/16-08:00caa
Strontium 90	0.114 ± 0.705	0.491	pCi/L	8		905.0	211855	10/03/16 18:00	905.0	214572-GP217	10/05/16-10:40caa
Total Alpha Radium (226)	0.112 ± 0.155	0.470	pCi/L	3		903.0	211720	09/28/16 18:30	903.0	214423-GP216	10/04/16-07:20caa
Tritium	72.0 ± 261	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/27/16-12:00caa
Uranium	3.09 ± 1.36	0.300	pCi/L	20		908.0	211728	09/29/16 07:30	908.0	214335-GP220	09/30/16-16:43caa
Ra 228	0.082 ± 0.440	0.200	pCi/L	2		Ra - 05	211719	10/03/16 18:30	Ra - 05	214574-GP219	10/05/16-18:50emv
DQF Flags Definition:											
h The MS/MSD did not meet QC criteria.											
l The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 13, 2016

Lab ID : SP 1611294-006

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 22, 2016-08:30

Sampled By : Rincon

Received On : September 22, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-07D

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 P:15												
Total Hardness as CaCO3	882	2.5	0.0065	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Calcium	169	1	0.0065	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Magnesium	112	1	0.0037	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Potassium	3.11	1	0.065	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Sodium	213	1	0.27	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Total Cations	27.0	0.1	0.0065	meq/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Boron	0.412	0.05	0.0050	mg/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Copper	ND	10	1.2	ug/L	1	U	200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Iron	59.6	50	5.0	ug/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Manganese	373	10	0.099	ug/L	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Zinc	ND	20	1.0	ug/L	1	U	200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
SAR	3.12	0.1	0.0065	--	1		200.7	211518 09/24/16 13:30		200.7	213893-IT203 09/24/16-19:06AC	
Total Alkalinity (as CaCO3)	488	10	1.1	mg/L	1		2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-13:28AMB	
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-13:28AMB	
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-13:28AMB	
Bicarbonate as HCO3	595	10	1.1	mg/L	1.000		2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-13:28AMB	
Sulfate	474	5	0.015	mg/L	5	b	300.0	211595 09/23/16 10:40		300.0	214031-IC210 09/23/16-15:09MCA	
Chloride	229	5	0.0045	mg/L	5		300.0	211595 09/23/16 10:40		300.0	214031-IC210 09/23/16-15:09MCA	
Nitrate as NO3	ND	0.4	0.0032	mg/L	1	U1	300.0	211595 09/23/16 10:40		300.0	214031-IC210 09/23/16-12:05MCA	
Nitrite as N	ND	0.1	0.0010	mg/L	1	U	300.0	211595 09/23/16 10:40		300.0	214031-IC210 09/23/16-12:05MCA	

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral ^{P:15}												
Nitrate + Nitrite as N	ND	0.1	0.0032	mg/L	1	U1	300.0	211595 09/23/16 10:40		300.0	214031-IC210 09/23/16-12:05MCA	
Fluoride	0.483	0.1	0.0021	mg/L	1		300.0	211595 09/23/16 10:40		300.0	214031-IC210 09/23/16-12:05MCA	
Total Anions	26.1	0.1	1.1	meq/L	1.000	bl	2320B	211471 09/23/16 04:45		2320B	213890-MT201 09/23/16-13:28AMB	
pH	7.17	--	0.0	units	1	T	4500-H B	211504 09/23/16 15:31		4500HB	213872-PH203 09/23/16-15:42JMG	
Specific Conductance	2420	1	0.0	umhos/cm	1		2510B	211472 09/23/16 09:27		2510B	213844-EC206 09/23/16-11:25JMG	
Total Dissolved Solids	1680	40	5.8	mg/L	1		2540CE	211570 09/26/16 15:48		2540C	213989-WT219 09/27/16-10:14CTL	
MBAS (foaming agents)	0.0248	0.1	0.0053	mg/L	1	Jb	5540C	211523 09/23/16 09:07		5540C	213888-UV207 09/23/16-17:25JBA	
Aggressiveness Index	12.5	1	0.0	--	1		4500-H B	211504 09/23/16 15:31		4500HB	213872-PH203 09/23/16-15:42JMG	
Langelier Index (20°C)	0.6	1	0.0	--	1		4500-H B	211504 09/23/16 15:31		4500HB	213872-PH203 09/23/16-15:42JMG	
Nitrate Nitrogen	ND	0.1	0.00080	mg/L	1	U1	300.0	211595 09/23/16 10:40		300.0	214031-IC210 09/23/16-12:05MCA	
Metals, Total ^{P:15}												
Aluminum	0.00977	0.01	0.000050	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Antimony	0.000132	0.001	0.000044	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Arsenic	0.00252	0.002	0.000047	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Barium	0.0467	0.0002	0.000026	mg/L	1	hP	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Cadmium	0.000182	0.0002	0.000031	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Chromium	0.000444	0.001	0.000066	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Copper	0.00180	0.001	0.000071	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Lead	0.000143	0.0002	0.000013	mg/L	1	J	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Mercury	0.00000764	0.00001	0.0000021	mg/L	1	J	245.1	211963 10/04/16 13:00		245.1	214518-HG204 10/05/16-12:39AC	
Nickel	0.00656	0.001	0.000040	mg/L	1		3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Selenium	0.00357	0.004	0.00017	mg/L	2	J	3010	211956 10/04/16 03:30		200.8	214575-IX202 10/05/16-16:10AC	
Silver	ND	0.00025	0.000022	mg/L	1	U	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Chromium III	ND	0.001	0.000066	mg/L	1	Jb	3010	211956 10/04/16 03:30		200.8	214508-IX202 10/04/16-15:01AC	
Wet Chemistry ^{AGT:1}												
BOD	0.8	2	0.19	mg/L	1	J	5210B	211475 09/23/16 15:06		5210B	214193-O2204 09/28/16-15:49AMM	
Chlorine, Total	ND	0.1	0.069	mg/L	1	UT	4500CIG	211467 09/22/16 18:03		4500CIG	213837-UV207 09/22/16-18:40SJN	
Chromium VI	0.425	0.1	0.012	ug/L	1	b	218.6	211954 09/30/16 16:50		218.6	214421-IC209 09/30/16-21:14MCA	

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry AGT:1												
Color	<5.00	5	0.0	units	1	U	2120B	211828	09/23/16 11:40	2120B	214268-JMG	09/23/16-11:50jmg
Cyanide, Total	ND	0.01	0.0023	mg/L	1	U	4500CNCE	211864	10/02/16 14:30	4500CNCE	214314-UV207	10/02/16-17:02AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	211784	09/30/16 03:50	4500NH3G	214218-FI207	09/30/16-05:50AMB
Ammonia Nitrogen	0.283	0.2	0.072	mg/L	1		4500NH3G	211784	09/30/16 03:50	4500NH3G	214218-FI207	09/30/16-05:50AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	211529	09/26/16 08:50	EPA351.2	213984-FI206	09/27/16-08:36AMB
Nitrogen, Total as Nitrogen	ND	0.5	0.32	mg/L	1	UI	351.2	211529	09/26/16 08:50	EPA351.2	213984-FI206	09/27/16-08:36AMB
Nitrate + Nitrite as N	ND	0.1	0.0032	mg/L	1	UI	300.0	211595	09/23/16 10:40	300.0	214031-IC210	09/23/16-12:05MCA
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	211529	09/26/16 08:50	EPA351.2	213984-FI206	09/27/16-08:36AMB
Odor	ND	1	0.0	TON	1	U	2150B	211834	09/23/16 08:15	2150B	214277-JMG	09/23/16-08:40jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.1111	U	1664A	212024	10/06/16 14:06	1664A	214674-WT215	10/07/16-16:22AMM
Phosphorus, Total	0.125	0.1	0.031	mg/L	1		4500-P B	211822	09/30/16 14:43	4500PE	214259-UV205	10/01/16-11:19SJN
Solids, Total Suspended (TSS)	1.02	1.1	0.49	mg/L	1.0753		2540D	211589	09/27/16 08:50	2540D	214125-WT215	09/28/16-16:45jba
Turbidity	1.50	0.2	0.048	NTU	1		2130B	211432	09/23/16 11:37	2130B	213889-TR203	09/23/16-11:40JBA
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	212135	10/07/16 13:30	314.0	214738-IC207	10/07/16-18:56SBL
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.											
P	Post Digestion Spike (PDS) not within Acceptance Range (AR).											
T	Exceeded method-specific holding time.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 13, 2016

Lab ID : SP 1611294-006

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 22, 2016-08:30

Sampled By : Rincon

Received On : September 22, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-07D

Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1 ^{VOA:1}												
1,3-Dibromopropane [‡]	119	70-130		%	0.98181		504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-14:10SBL
DBCP	ND	0.0098	0.0057	ug/L	0.98181	U	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-14:10SBL
EDB	ND	0.02	0.0027	ug/L	0.98181	Ub	504	211607	09/27/16 18:00	504.1	214053-GC216	09/28/16-14:10SBL
EPA 505 ^{VOA:1}												
Tetrachloro-m-xylene [‡]	84.0	70-130		%	0.98238		505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Alachlor	ND	0.2	0.13	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Aldrin	ND	0.0098	0.0040	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Chlordane	ND	0.098	0.041	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Dieldrin	ND	0.0098	0.0024	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Endrin	ND	0.0098	0.0054	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Heptachlor	ND	0.0098	0.0026	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Heptachlor Epoxide	ND	0.0098	0.0046	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Hexachlorobenzene	ND	0.0098	0.0031	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Hexachlorocyclopentadiene	ND	0.098	0.027	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Lindane (Gamma BHC)	ND	0.049	0.0049	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Methoxychlor	ND	0.098	0.0098	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
Toxaphene	ND	0.49	0.11	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
PCB 1016	ND	0.49	0.22	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
PCB 1221	ND	0.49	0.067	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
PCB 1232	ND	0.49	0.13	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505 ^{VOA:1}												
PCB 1242	ND	0.49	0.14	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
PCB 1248	ND	0.49	0.064	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
PCB 1254	ND	0.49	0.026	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
PCB 1260	ND	0.49	0.055	ug/L	0.98238	U	505	211552	09/26/16 11:03	505	213930-GC215	09/27/16-09:23SBL
EPA 507 ^{AGT:1}												
Triphenylphosphate [‡]	96.4	70-130		%	1		507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Alachlor	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Atrazine	ND	1	0.14	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Bromacil	ND	2	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Butachlor	ND	1	0.21	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Diazinon	ND	2	0.18	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Dimethoate	ND	2	0.089	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Metolachlor	ND	1	0.41	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Metribuzin	ND	0.5	0.24	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Molinate	ND	2	0.13	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Prometryne	ND	2	0.095	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Propachlor	ND	1	0.12	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Simazine	ND	1	0.16	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Thiobencarb	ND	1	0.15	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
Cyanazine	ND	1	0.11	ug/L	1	U	507	211665	09/28/16 11:55	507	214531-GC218	10/05/16-21:17SG
EPA 515 ^{AGT:1}												
2,4-DCAA [‡]	101	70-130		%	1		515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515 ^{AGT:1}												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211634	09/27/16 11:46	515.3	214256-GC215	10/01/16-03:52SG
EPA 524.2 ^{VOA:13}												
4-Bromofluorobenzene [‡]	98.1	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,2-Dichlorobenzene-d4 [‡]	95.8	70-130		%	1	f	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Benzene	ND	0.5	0.081	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Bromoform	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Bromomethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Chloroethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Chloroform	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Chloromethane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,3-Dichloropropene (Total)	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Naphthalene	ND	0.5	0.070	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Styrene	ND	0.5	0.040	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	Ufh	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Toluene	ND	0.5	0.055	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2 VOA:13												
Trichloroethylene	ND	0.5	0.060	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Xylenes (Total)	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Xylenes o	ND	0.5	0.080	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
Total Trihalomethanes	ND	0.5	0.12	ug/L	1	Uf	524.2	211610	09/22/16 08:00	524.2	214001-GM215	09/23/16-02:20VRG
EPA 531.1 AGT:18												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-09:00SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-09:00SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-09:00SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-09:00SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-09:00SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-09:00SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-09:00SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211702	09/28/16 14:40	531.1	214102-LC204	09/29/16-09:00SG
EPA 547 AGT:1												
Glyphosate	1.38	20	0.97	ug/L	1	J	547	211782	09/29/16 13:01	547	214211-LC204	09/30/16-14:37SG
EPA 548.1 AGT:1												
Endothall	ND	40	16	ug/L	1	U	548.1	211622	09/27/16 13:31	548.1	214670-GC220	10/07/16-23:11SG
EPA 549 AST:1												
Diquat	ND	2	0.12	ug/L	1	U	549	211450	09/22/16 13:17	549.2	213932-LC204	09/23/16-17:12SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 552.2 AGT:112												
2,3-Dibromopropionic Acid [‡]	105	70-130		%	1		552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-17:11SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	U	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-17:11SBL
Chloroacetic Acid	ND	2	0.28	ug/L	1	U	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-17:11SBL
Dibromoacetic Acid	0.913	1	0.25	ug/L	1	J	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-17:11SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	U	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-17:11SBL
Trichloroacetic Acid	0.532	1	0.39	ug/L	1	Jb	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-17:11SBL
Haloacetic acids (five)	1.44	1	0.55	ug/L	1	Jb	552	211687	09/28/16 16:30	552.2	214149-GC219	09/29/16-17:11SBL
EPA 608 AGT:1												
Tetrachloro-m-xylene [‡]	44.8	15-143		%	0.93458		608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
Chlordane	ND	1.9	0.32	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
PCB 1221	ND	0.47	0.084	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
PCB 1248	ND	0.47	0.064	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608	211539	09/27/16 16:30	608	214106-GC215	09/29/16-10:28SBL
EPA 624 VOA:13												
4-Bromofluorobenzene [‡]	89.4	70-161		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Fluorobenzene [‡]	85.6	72-139		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Pentafluorobenzene [‡]	70.7	59-151		%	1	f	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Chloroform	ND	0.5	0.045	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624 VOA:13												
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Ufh	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
Xylenes	ND	0.5	0.084	ug/L	1	Uf	624	211564	09/22/16 08:00	624	213938-GM214	09/22/16-23:02VRG
EPA 625 AGT:1												
2-Fluorobiphenyl [‡]	47.9	10-99		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2-Fluorophenol [‡]	19.5	15-96		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Nitrobenzene-d5 [‡]	78.5	11-102		%	0.93458	H	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Phenol-d6 [‡]	24.8	9-103		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
p-Terphenyl-d14 [‡]	88.8	25-123		%	0.93458		625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2,4,6-Tribromophenol [‡]	7.1	17-97		%	0.93458	L	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Acenaphthene	ND	0.93	0.50	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Acenaphthylene	ND	0.93	0.39	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Anthracene	ND	0.93	0.43	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Benzidine	ND	9.3	1.8	ug/L	0.93458	UL	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Benzo(a)anthracene	ND	0.93	0.43	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Benzo(b)fluoranthene	ND	0.93	0.37	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Benzo(k)fluoranthene	ND	0.93	0.50	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Benzo(g,h,i)perylene	ND	0.93	0.40	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Benzo(a)pyrene	ND	0.93	0.40	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
4-Bromophenylphenylether	ND	0.93	0.46	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.93458	UL	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
bis(2-Chloroethoxy)methane	ND	0.93	0.56	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
bis(2-Chloroethyl)ether	ND	0.93	0.52	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
bis(2-Chloroisopropyl)ether	ND	0.93	0.53	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
bis(2-Ethylhexyl)phthalate	1.26	1.9	0.41	ug/L	0.93458	J	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 AGT:1												
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2-Chloronaphthalene	ND	0.93	0.63	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
4-Chlorophenylphenylether	ND	0.93	0.62	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Chrysene	ND	0.93	0.51	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Dibenzo(a,h)anthracene	ND	0.93	0.37	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Di-n-butylphthalate	ND	1.9	0.35	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
1,2-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
1,3-Dichlorobenzene	ND	0.93	0.45	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
1,4-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
3,3'-Dichlorobenzidine	ND	0.93	0.43	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Diethylphthalate	ND	0.93	0.34	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Dimethylphthalate	ND	0.93	0.31	ug/L	0.93458	UL	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
4,6-Dinitro-2-methylphenol	ND	0.93	0.43	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2,4-Dinitrotoluene	ND	0.93	0.49	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2,6-Dinitrotoluene	ND	0.93	0.55	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Di-n-octylphthalate	ND	0.93	0.31	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Fluoranthene	ND	0.93	0.44	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Fluorene	ND	0.93	0.62	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Hexachlorobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Hexachlorobutadiene	ND	0.93	0.45	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Hexachlorocyclopentadiene	ND	0.93	0.24	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Hexachloroethane	ND	0.93	0.43	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Indeno(1,2,3-c,d)pyrene	ND	0.93	0.38	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Isophorone	ND	0.93	0.41	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Naphthalene	ND	0.93	0.55	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Nitrobenzene	ND	0.93	0.47	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 ^{AGT:1}												
2-Nitrophenol	ND	1.9	1.1	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
N-Nitrosodiphenylamine	ND	0.93	0.74	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
N-Nitrosodi-n-propylamine	ND	0.93	0.53	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Phenanthrene	ND	0.93	0.50	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Phenol	ND	0.93	0.88	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Pyrene	ND	0.93	0.46	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
Pyridine	ND	9.3	0.32	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
1,2,4-Trichlorobenzene	ND	0.93	0.48	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2,4,6-Trichlorophenol	ND	0.93	0.90	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
1,2-Diphenylhydrazine	ND	0.93	0.47	ug/L	0.93458	UH	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.93458	U	625	211666	09/28/16 21:00	625	214509-GM213	10/04/16-21:44SBL
EPA 625 Pest ^{AGT:1}												
Aldrin	ND	4.7	0.91	ng/L	0.93458	UH	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Beta BHC	ND	4.7	1.5	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Delta BHC	ND	4.7	1.8	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Dieldrin	ND	4.7	1.5	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Endrin	ND	4.7	1.3	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625 Pest ^{AGT:1}												
Endrin Ketone	ND	4.7	1.8	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Heptachlor	ND	4.7	1.8	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
trans-Nonachlor	ND	47	1.2	ng/L	0.93458	U	625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
Tetrachloro-m-xylene [‡]	67.9	26-90		%	0.93458		625P	211614	09/27/16 17:00	625P	214450-GM210	10/01/16-02:14SG
TOC ^{AVT:14}												
TOC	1.52	0.5	0.15	mg/L	1		5310C	211516	09/26/16 13:10	5310C	214089-TC203	09/27/16-16:18AMM
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. 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. Containers: (AGT) Amber Glass TFE-Cap, (AST) Amber Silanized-TFE, (AVT) Amber VOA TFE-Cap, (VOA) VOA Preservatives: Monochloroacetic Buffer, NH4Cl, H2SO4 pH < 2, HCl pH < 2 ‡Surrogate.

October 13, 2016

Lab ID : SP 1611294-006

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 22, 2016-08:30

Sampled By : Rincon

Received On : September 22, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-07D

Project : Malibu WWTP - Baseline GWM

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis		
						Method	ID	Time	Method	ID	Time
Radio Chemistry ^{P:1}											
Gross Alpha	12.0 ± 2.98	1.94	pCi/L	15	h	900.0	212000	10/05/16 09:40	900.0	214751-GP219	10/06/16-10:00caa
Gross Beta	2.92 ± 2.26	2.52	pCi/L	50	l	900.0	212000	10/05/16 09:40	900.0	214751-GP219	10/06/16-10:00caa
Strontium 90	1.02 ± 0.833	0.491	pCi/L	8		905.0	211855	10/03/16 18:00	905.0	214572-GP217	10/05/16-11:00caa
Total Alpha Radium (226)	0.223 ± 0.189	0.470	pCi/L	3		903.0	211720	09/28/16 18:30	903.0	214423-GP216	10/04/16-07:40caa
Tritium	87.8 ± 261	434	pCi/L	20000		906.0	211527	09/26/16 08:08	906.0	214017-LS201	09/27/16-13:00caa
Uranium	16.2 ± 2.79	0.300	pCi/L	20		908.0	211728	09/29/16 07:30	908.0	214335-GP220	09/30/16-17:08caa
Ra 228	0.000 ± 0.544	0.253	pCi/L	2		Ra - 05	211719	10/03/16 18:30	Ra - 05	214576-GP218	10/05/16-19:50caa
DQF Flags Definition:											
h The MS/MSD did not meet QC criteria.											
l The MS/MSD did not meet QC criteria.											

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGT) Amber Glass TFE-Cap, (P) Plastic Preservatives: HNO3 pH < 2

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

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 13, 2016

Lab ID : SP 1611294-016

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 21, 2016-15:10

Sampled By : Rincon

Received On : September 22, 2016-15:40

Matrix : Monitoring Well

Description : MCWP-MW06

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
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0600	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-16:10JDD
Total Dissolved Solids (TFR)	1550	20	5.8	mg/L	1		2540CE	211570	09/26/16 15:48	2540C	213989-WT219	09/27/16-10:36CTL
DQF Flags Definition:												
J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGJ) Amber Glass Jar, (AGT) Amber Glass TFE-Cap, (P) Plastic, (VFS) VOA w/Filters+Syringes Preservatives: H2SO4 pH < 2, NaOH, H2SO4 pH < 2, HNO3 pH < 2, (NH4)2SO4, NH4OH

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
 Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dibromoethane(EDB)	504	09/27/16:211607SBL (STK1652078-001)	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2487	97.6 %	70-130	
			LCS	ug/L	0.2514	102 %	70-130	
			MS	ug/L	0.2456	114 %	70-130	
			MSD	ug/L	0.2400	106 %	70-130	
			MSRPD	ug/L	0.5632	8.9%	≤30	
			QMDL	ug/L	0.01984	127 %	60-140	
1,3-Dibromopropane	504	09/27/16:211607SBL (STK1652078-001)	Blank	ug/L	0.5815	107 %	70-130	
			LCS	ug/L	0.5837	103 %	70-130	
			LCS	ug/L	0.5901	105 %	70-130	
			MS	ug/L	0.5764	106 %	70-130	
			MSD	ug/L	0.5632	107 %	70-130	
			MSRPD	ug/L	0.5632	1.8%	≤30	
			QMDL	ug/L	0.5864	126 %	70-130	
DBCP	504	09/27/16:211607SBL (STK1652078-001)	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.2487	79.8 %	70-130	
			LCS	ug/L	0.2514	84.2 %	70-130	
			MS	ug/L	0.2456	76.5 %	70-130	
			MSD	ug/L	0.2400	79.3 %	70-130	
			MSRPD	ug/L	0.5632	1.3%	≤30	
			QMDL	ug/L	0.01984	71.1 %	60-140	
13DBP	504.1	09/28/16:214053SBL	CCV	ug/L	9.975	113 %	70-130	
			CCV	ug/L	7.481	126 %	70-130	
			CCV	ug/L	9.975	112 %	70-130	
DBCP	504.1	09/28/16:214053SBL	CCV	ug/L	5.000	89.2 %	70-130	
			CCV	ug/L	2.000	88.0 %	70-130	
			CCV	ug/L	5.000	88.6 %	70-130	
EDB	504.1	09/28/16:214053SBL	CCV	ug/L	5.000	104 %	70-130	
			CCV	ug/L	2.000	101 %	70-130	
			CCV	ug/L	5.000	99.6 %	70-130	
Alachlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.2	
	505	09/27/16:213930SBL	CCV	ug/L	100.0	108 %	70-130	
			CCV	ug/L	150.0	93.5 %	70-130	
Aldrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.075	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	125 %	70-130	
			CCV	ug/L	15.00	98.6 %	70-130	
Chlordane	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
Dieldrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	90.2 %	70-130	
			CCV	ug/L	15.00	81.0 %	70-130	
Endrin	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	87.2 %	70-130	
			CCV	ug/L	15.00	81.3 %	70-130	
Heptachlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	110 %	70-130	
			CCV	ug/L	15.00	93.7 %	70-130	
Heptachlor Epoxide	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	102 %	70-130	
			CCV	ug/L	15.00	104 %	70-130	
Hexachlorobenzene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.01	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	110 %	70-130	
			CCV	ug/L	15.00	94.9 %	70-130	
Hexachlorocyclopentadiene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
	505	09/27/16:213930SBL	CCV	ug/L	10.00	109 %	70-130	
			CCV	ug/L	15.00	98.7 %	70-130	

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Lindane	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.05	
	505	09/27/16:213930SBL	CCV CCV	ug/L ug/L	10.00 15.00	93.1 % 84.7 %	70-130 70-130	
Methoxychlor	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.1	
	505	09/27/16:213930SBL	CCV CCV	ug/L ug/L	50.00 75.00	97.1 % 92.7 %	70-130 70-130	
PCB 1016/1242 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1242	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	505	09/26/16:211552JOM	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	1.106 1.142 1.196 1.176 1.176	99.3 % 99.4 % 103 % 1.1 % 196%	70-130 70-130 N/A N/A ≤30.0	435
	505	09/27/16:213930SBL	CCV CCV	ug/L ug/L	20.02 30.03	123 % 100 %	70-130 70-130	
Toxaphene	505	09/26/16:211552JOM	Blank	ug/L		ND	<0.5	
Alachlor	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 12.50	ND 87.4 % 103 % 87.3 % 0.38	<1 70-130 47-147 47-147 ≤1	
	507	10/05/16:214531SG	CCV CCV	ug/L ug/L	1000 500.0	94.4 % 104 %	80-120 80-120	
Atrazine	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 12.50	ND 101 % 86.5 % 92.4 % 0.15	<0.5 70-130 52-154 52-154 ≤0.5	
	507	10/05/16:214531SG	CCV CCV	ug/L ug/L	1000 500.0	96.8 % 101 %	80-120 80-120	
Bromacil	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 12.50	ND 100 % 132 % 99.6 % 0.81	<2 70-130 38-170 38-170 ≤2	
	507	10/05/16:214531SG	CCV CCV	ug/L ug/L	1000 500.0	110 % 96.1 %	80-120 80-120	
Butachlor	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 12.50	ND 118 % 92.6 % 111 % 17.9%	<0.38 70-130 37-150 37-150 ≤53.8	
	507	10/05/16:214531SG	CCV CCV	ug/L ug/L	1000 500.0	98.9 % 117 %	80-120 80-120	
Cyanazine	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	2.500 2.500 2.500 12.50	ND 105 % 119 % 98.0 % 19.5%	<0.5 70-130 41-152 41-152 ≤30	

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Cyanazine	507	10/05/16:214531SG	CCV	ug/L	1000	102 %	80-120	
			CCV	ug/L	500.0	115 %	80-120	
Diazinon	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	75.8 %	70-130	
			BS	ug/L	2.500	68.4 %	56-128	
			BSD	ug/L	2.500	68.4 %	56-128	
			BSRPD	ug/L	12.50	0.0019	≤2	
	507	10/05/16:214531SG	CCV	ug/L	1000	102 %	80-120	
			CCV	ug/L	500.0	97.5 %	80-120	
Dimethoate	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	106 %	70-130	
			BS	ug/L	2.500	88.7 %	49-168	
			BSD	ug/L	2.500	94.4 %	49-168	
			BSRPD	ug/L	12.50	0.14	≤2	
	507	10/05/16:214531SG	CCV	ug/L	1000	106 %	80-120	
			CCV	ug/L	500.0	102 %	80-120	
EPN/Triphenylphosphate	507	09/28/16:211665SG	Blank	ug/L	12.50	88.4 %	70-130	
			LCS	ug/L	12.50	94.3 %	70-130	
			BS	ug/L	12.50	82.0 %	70-130	
			BSD	ug/L	12.50	93.0 %	70-130	
			BSRPD	ug/L	12.50	12.6%	≤30	
Metolachlor	507	09/28/16:211665SG	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	116 %	70-130	
			BS	ug/L	2.500	80.4 %	45-154	
			BSD	ug/L	2.500	79.2 %	45-154	
			BSRPD	ug/L	12.50	0.031	≤1	
	507	10/05/16:214531SG	CCV	ug/L	1000	92.6 %	80-120	
			CCV	ug/L	500.0	112 %	80-120	
Metribuzin	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	101 %	70-130	
			BS	ug/L	2.500	76.0 %	30-169	
			BSD	ug/L	2.500	96.5 %	30-169	
			BSRPD	ug/L	12.50	0.51	≤0.5	410
	507	10/05/16:214531SG	CCV	ug/L	1000	93.3 %	80-120	
			CCV	ug/L	500.0	82.4 %	80-120	
Molinate	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	100 %	70-130	
			BS	ug/L	2.500	81.7 %	19-191	
			BSD	ug/L	2.500	80.3 %	19-191	
			BSRPD	ug/L	12.50	0.034	≤2	
	507	10/05/16:214531SG	CCV	ug/L	1000	91.1 %	80-120	
			CCV	ug/L	500.0	114 %	80-120	
Prometryne	507	09/28/16:211665SG	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	103 %	70-130	
			BS	ug/L	2.500	89.2 %	44-152	
			BSD	ug/L	2.500	106 %	44-152	
			BSRPD	ug/L	12.50	0.43	≤2	
	507	10/05/16:214531SG	CCV	ug/L	1000	99.0 %	80-120	
			CCV	ug/L	500.0	97.0 %	80-120	
Propachlor	507	09/28/16:211665SG	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	93.5 %	70-130	
			BS	ug/L	2.500	88.2 %	36-179	
			BSD	ug/L	2.500	101 %	36-179	
			BSRPD	ug/L	12.50	0.32	≤0.5	

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Propachlor	507	10/05/16:214531SG	CCV CCV	ug/L ug/L	1000 500.0	88.8 % 116 %	80-120 80-120	
Simazine	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 2.500 2.500 2.500 12.50	ND 108 % 95.8 % 102 % 0.15	<0.5 70-130 49-167 49-167 ≤0.5	
	507	10/05/16:214531SG	CCV CCV	ug/L ug/L	1000 500.0	99.0 % 104 %	80-120 80-120	
Thiobencarb	507	09/28/16:211665SG	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 2.500 2.500 2.500 12.50	ND 102 % 76.2 % 92.0 % 0.40	<1 70-130 50-148 50-148 ≤1	
	507	10/05/16:214531SG	CCV CCV	ug/L ug/L	1000 500.0	100 % 96.8 %	80-120 80-120	
Triphenylphosphate	507	10/05/16:214531SG	CCV CCV	ug/L ug/L	7501 2500	117 % 114 %	80-120 80-120	
2,4,5-T	515.3	10/01/16:214256SG	CCV CCV	ug/L ug/L	80.00 40.00	128 % 123 %	70-130 70-130	
2,4,5-TP (Silvex)	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 4.000 4.000 4.000 20.00	ND 129 % 123 % 120 % 0.15	<1 70-130 70-130 70-130 ≤1	
	515.3	10/01/16:214256SG	CCV CCV	ug/L ug/L	80.00 40.00	126 % 126 %	70-130 70-130	
2,4,5-Trichlorophenoxyacetic A	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 4.000 4.000 4.000 20.00	ND 127 % 121 % 118 % 0.11	<1 70-130 70-130 70-130 ≤1	
2,4-D	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 8.000 8.000 8.000 20.00	ND 129 % 119 % 120 % 0.089	<2 70-130 70-130 70-130 ≤2	
	515.3	10/01/16:214256SG	CCV CCV	ug/L ug/L	160.0 80.00	128 % 119 %	70-130 70-130	
2,4-DCAA	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	20.00 20.00 20.00 20.00 20.00	92.7 % 107 % 96.5 % 97.1 % 0.6%	70-130 70-130 N/A N/A ≤30.	
	515.3	10/01/16:214256SG	CCV CCV	ug/L ug/L	400.0 200.0	103 % 103 %	70-130 70-130	
Bentazon	515.3	09/27/16:211634SG (STK1652078-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 8.000 8.000 8.000 20.00	ND 127 % 111 % 107 % 0.31	<2 70-130 70-130 70-130 ≤2	
	515.3	10/01/16:214256SG	CCV CCV	ug/L ug/L	160.0 80.00	115 % 116 %	70-130 70-130	
Dalapon	515.3	09/27/16:211634SG	Blank	ug/L		ND	<10	

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Dalapon	515.3	09/27/16:211634SG (STK1652078-001)	LCS	ug/L	52.00	83.1 %	70-130	
			MS	ug/L	52.00	103 %	70-130	
			MSD	ug/L	52.00	115 %	70-130	
			MSRPD	ug/L	20.00	10.5%	≤30.0	
	515.3	10/01/16:214256SG	CCV	ug/L	1040	98.2 %	70-130	
			CCV	ug/L	520.0	110 %	70-130	
Dicamba	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	122 %	70-130	
			MS	ug/L	4.000	116 %	70-130	
			MSD	ug/L	4.000	114 %	70-130	
			MSRPD	ug/L	20.00	0.045	≤1	
	515.3	10/01/16:214256SG	CCV	ug/L	80.00	124 %	70-130	
			CCV	ug/L	40.00	115 %	70-130	
Dinoseb	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	8.000	128 %	70-130	
			MS	ug/L	8.000	115 %	70-130	
			MSD	ug/L	8.000	111 %	70-130	
			MSRPD	ug/L	20.00	3.1%	≤30.0	
	515.3	10/01/16:214256SG	CCV	ug/L	160.0	125 %	70-130	
			CCV	ug/L	80.00	126 %	70-130	
Pentachlorophenol	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	4.000	130 %	70-130	
			MS	ug/L	4.000	115 %	70-130	
			MSD	ug/L	4.000	113 %	70-130	
			MSRPD	ug/L	20.00	1.7%	≤30.0	
	515.3	10/01/16:214256SG	CCV	ug/L	80.00	125 %	70-130	
			CCV	ug/L	40.00	121 %	70-130	
Picloram	515.3	09/27/16:211634SG (STK1652078-001)	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	117 %	70-130	
			MS	ug/L	4.000	109 %	70-130	
			MSD	ug/L	4.000	110 %	70-130	
			MSRPD	ug/L	20.00	0.043	≤1	
	515.3	10/01/16:214256SG	CCV	ug/L	80.00	123 %	70-130	
			CCV	ug/L	40.00	106 %	70-130	
1,1,1,2-Tetrachloroethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	92.4 %	12-178	
			MSD	ug/L	10.00	95.4 %	12-178	
			MSRPD	ug/L	10.00	3.2%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	94.6 %	70-130	
1,1,1-Trichloroethane(TCA)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	9-176	
			MSD	ug/L	10.00	107 %	9-176	
			MSRPD	ug/L	10.00	5.0%	≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	97.5 %	70-130	
1,1,2,2-Tetrachloroethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	96.9 %	23-180	
			MSD	ug/L	10.00	102 %	23-180	
			MSRPD	ug/L	10.00	4.9%	≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	104 %	70-130	
1,1,2-Trichloroethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.0 %	25-173	
			MSD	ug/L	10.00	103 %	25-173	
			MSRPD	ug/L	10.00	4.5%	≤29	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	105 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,1-Dichloroethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 96.9 % 103 % 5.8%	<0.5 15-161 15-161 ≤36	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	97.4 %	70-130	
1,1-Dichloroethylene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 88.2 % 95.8 % 8.2%	<0.5 0-162 0-162 ≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.0 %	70-130	
1,1-Dichloropropene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 101 % 110 % 8.1%	<0.5 0-171 0-171 ≤31	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	96.9 %	70-130	
1,2,3-Trichlorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 90.8 % 92.0 % 1.2%	<0.5 14-181 14-181 ≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	101 %	70-130	
1,2,4-Trichlorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 86.0 % 87.5 % 1.8%	<0.5 10-180 10-180 ≤32	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	91.3 %	70-130	
1,2,4-Trimethylbenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 83.4 % 89.9 % 7.5%	<0.5 2-192 2-192 ≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	90.4 %	70-130	
1,2-Dichlorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 93.1 % 98.6 % 5.8%	<0.5 13-191 13-191 ≤35	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.3 %	70-130	
1,2-Dichlorobenzene-d4	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	93.4 % 104 % 105 % 1.0%	70-130 70-130 70-130 ≤20	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	102 %	70-130	
1,2-Dichloroethane (EDC)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 98.0 % 102 % 4.0%	<0.5 18-162 18-162 ≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	104 %	70-130	
1,2-Dichloropropane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 97.5 % 103 % 5.4%	<0.5 10-163 10-163 ≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	97.8 %	70-130	
1,3,5-Trimethylbenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank MS MSD MSRPD	ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00	ND 88.3 % 93.7 % 5.9%	<0.5 0-210 0-210 ≤40	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,3,5-Trimethylbenzene	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	89.8 %	70-130	
1,3-Dichlorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.3 %	17-182	
			MSD	ug/L	10.00	100 %	17-182	
			MSRPD	ug/L	10.00	5.3%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.4 %	70-130	
1,3-Dichloropropane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	0-178	
			MSD	ug/L	10.00	108 %	0-178	
			MSRPD	ug/L	10.00	5.7%	≤29	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	110 %	70-130	
1,4-Dichlorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.2 %	19-183	
			MSD	ug/L	10.00	104 %	19-183	
			MSRPD	ug/L	10.00	5.8%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	103 %	70-130	
2,2-Dichloropropane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.1 %	0-288	
			MSD	ug/L	10.00	91.5 %	0-288	
			MSRPD	ug/L	10.00	3.8%	≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	85.9 %	70-130	
2-Chlorotoluene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	17-180	
			MSD	ug/L	10.00	111 %	17-180	
			MSRPD	ug/L	10.00	5.9%	≤38	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	105 %	70-130	
4-Bromofluorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		99.6 %	70-130	
			MS	ug/L	10.00	121 %	70-130	
			MSD	ug/L	10.00	120 %	70-130	
			MSRPD	ug/L	10.00	0.9%	≤30	
4-Bromofluorobenzene (BFB)	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	116 %	70-130	
4-Chlorotoluene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	91.4 %	11-177	
			MSD	ug/L	10.00	96.7 %	11-177	
			MSRPD	ug/L	10.00	5.6%	≤41	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	93.3 %	70-130	
Benzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	97.9 %	12-158	
			MSD	ug/L	10.00	103 %	12-158	
			MSRPD	ug/L	10.00	5.3%	≤36	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	97.6 %	70-130	
Bromobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	94.3 %	23-177	
			MSD	ug/L	10.00	99.4 %	23-177	
			MSRPD	ug/L	10.00	5.3%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	99.4 %	70-130	
Bromochloromethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	92.6 %	4-186	
			MSD	ug/L	10.00	96.5 %	4-186	
			MSRPD	ug/L	10.00	4.1%	≤30	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.5 %	70-130	
Bromodichloromethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	11-164	
			MSD	ug/L	10.00	118 %	11-164	

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Organic								
Bromodichloromethane	524.2	09/22/16:211610VRG	MSRPD	ug/L	10.00	6.1%	≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	116 %	70-130	
Bromoform	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	145 %	0-235	
			MSD	ug/L	10.00	147 %	0-235	
			MSRPD	ug/L	10.00	1.3%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	152 %	70-130	360
Bromomethane (Methyl Bromide)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	28.7 %	0-196	
			MSD	ug/L	40.00	30.3 %	0-196	
			MSRPD	ug/L	10.00	5.7%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	171 %	70-130	360
Carbon Tetrachloride	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.4 %	5-175	
			MSD	ug/L	10.00	104 %	5-175	
			MSRPD	ug/L	10.00	5.4%	≤32	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	94.9 %	70-130	
Chlorobenzene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	93.4 %	14-175	
			MSD	ug/L	10.00	99.6 %	14-175	
			MSRPD	ug/L	10.00	6.5%	≤35	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	96.5 %	70-130	
Chloroethane (Ethyl Chloride)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	23.7 %	0-184	
			MSD	ug/L	40.00	25.4 %	0-184	
			MSRPD	ug/L	10.00	6.9%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	134 %	70-130	360
Chloroform	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.8 %	15-163	
			MSD	ug/L	10.00	105 %	15-163	
			MSRPD	ug/L	10.00	4.6%	≤36	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	103 %	70-130	
Chloromethane(Methyl Chloride)	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	32.6 %	0-224	
			MSD	ug/L	40.00	35.6 %	0-224	
			MSRPD	ug/L	10.00	8.9%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	199 %	70-130	360
cis-1,2-Dichloroethylene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.7 %	16-172	
			MSD	ug/L	10.00	102 %	16-172	
			MSRPD	ug/L	10.00	6.9%	≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.5 %	70-130	
cis-1,3-Dichloropropene	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.9 %	5-158	
			MSD	ug/L	10.00	106 %	5-158	
			MSRPD	ug/L	10.00	6.1%	≤38	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	101 %	70-130	
Dibromochloromethane	524.2	09/22/16:211610VRG (SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	1-180	
			MSD	ug/L	10.00	133 %	1-180	
			MSRPD	ug/L	10.00	3.8%	≤34	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	136 %	70-130	360
Dibromomethane	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	96.0 %	11-168	

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Organic								
Dibromomethane	524.2	(SP 1611120-001)	MSD	ug/L	10.00	100 %	11-168	
			MSRPD	ug/L	10.00	4.1%	≤28	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	104 %	70-130	
Dichlorodifluoromethane	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	40.00	24.6 %	0-334	
			MSD	ug/L	40.00	26.3 %	0-334	
			MSRPD	ug/L	10.00	6.6%	≤39	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	143 %	70-130	360
Dichloromethane	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	92.6 %	20-157	
			MSD	ug/L	10.00	96.1 %	20-157	
			MSRPD	ug/L	10.00	3.6%	≤36	
Ethyl tert-Butyl Ether	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<3	
		(SP 1611120-001)	MS	ug/L	10.00	145 %	11-165	
			MSD	ug/L	10.00	157 %	11-165	
			MSRPD	ug/L	10.00	7.5%	≤4	435
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	156 %	70-130	360
Ethylbenzene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	84.2 %	9-174	
			MSD	ug/L	10.00	90.1 %	9-174	
			MSRPD	ug/L	10.00	6.7%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	85.3 %	70-130	
Freon-11	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	40.00	30.3 %	0-232	
			MSD	ug/L	40.00	33.2 %	0-232	
			MSRPD	ug/L	10.00	9.1%	≤35	
Hexachlorobutadiene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	86.6 %	14-200	
			MSD	ug/L	10.00	87.2 %	14-200	
			MSRPD	ug/L	10.00	0.7%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	87.7 %	70-130	
Isopropyl Ether	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<3	
		(SP 1611120-001)	MS	ug/L	10.00	110 %	8-165	
			MSD	ug/L	10.00	119 %	8-165	
			MSRPD	ug/L	10.00	0.86	≤3	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	129 %	70-130	
Isopropylbenzene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	86.9 %	4-159	
			MSD	ug/L	10.00	92.1 %	4-159	
			MSRPD	ug/L	10.00	5.8%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	83.9 %	70-130	
Methyl tert-Butyl Ether	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	150 %	70-130	360
Methyl tert-Butyl Ether (MTBE)	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<1.0	
		(SP 1611120-001)	MS	ug/L	10.00	141 %	11-168	
			MSD	ug/L	10.00	152 %	11-168	
			MSRPD	ug/L	10.00	7.2%	≤29	
Methylene Chloride	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	100 %	70-130	
Naphthalene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	77.9 %	0-189	
			MSD	ug/L	10.00	79.0 %	0-189	
			MSRPD	ug/L	10.00	1.3%	≤32	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.5 %	70-130	
n-Butylbenzene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.0 %	4-186	

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Organic								
n-Butylbenzene	524.2	(SP 1611120-001)	MSD	ug/L	10.00	93.2 %	4-186	
			MSRPD	ug/L	10.00	5.8%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	88.6 %	70-130	
n-Propylbenzene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	89.3 %	0-174	
			MSD	ug/L	10.00	95.4 %	0-174	
			MSRPD	ug/L	10.00	6.6%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	87.3 %	70-130	
p-Isopropyltoluene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	87.6 %	0-193	
			MSD	ug/L	10.00	92.9 %	0-193	
			MSRPD	ug/L	10.00	5.8%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	87.3 %	70-130	
sec-Butylbenzene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	89.7 %	0-177	
			MSD	ug/L	10.00	94.3 %	0-177	
			MSRPD	ug/L	10.00	5.0%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.8 %	70-130	
Styrene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	73.9 %	0-198	
			MSD	ug/L	10.00	79.4 %	0-198	
			MSRPD	ug/L	10.00	7.2%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	83.9 %	70-130	
TAME	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<3	
		(SP 1611120-001)	MS	ug/L	10.00	171 %	15-162	435
			MSD	ug/L	10.00	185 %	15-162	435
			MSRPD	ug/L	10.00	7.7%	≤3	435
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	182 %	70-130	360
tert-Butylbenzene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	87.2 %	9-179	
			MSD	ug/L	10.00	92.0 %	9-179	
			MSRPD	ug/L	10.00	5.3%	≤38	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	84.1 %	30-130	
Tetrachloroethylene (PCE)	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	95.7 %	14-186	
			MSD	ug/L	10.00	101 %	14-186	
			MSRPD	ug/L	10.00	5.5%	≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	92.4 %	70-130	
Toluene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	93.3 %	3-174	
			MSD	ug/L	10.00	101 %	3-174	
			MSRPD	ug/L	10.00	7.7%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	102 %	30-130	
trans-1,2-Dichloroethylene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	90.2 %	5-165	
			MSD	ug/L	10.00	95.1 %	5-165	
			MSRPD	ug/L	10.00	5.4%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	89.8 %	70-130	
trans-1,3-Dichloropropene	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	
		(SP 1611120-001)	MS	ug/L	10.00	91.9 %	0-169	
			MSD	ug/L	10.00	97.6 %	0-169	
			MSRPD	ug/L	10.00	6.0%	≤31	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	98.8 %	70-130	
Trichloroethylene (TCE)	524.2	09/22/16:211610VRG	Blank	ug/L		ND	<0.5	

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Organic								
Trichloroethylene (TCE)	524.2	(SP 1611120-001)	MS	ug/L	10.00	93.1 %	11-167	
			MSD	ug/L	10.00	98.9 %	11-167	
			MSRPD	ug/L	10.00	6.1%	≤35	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	90.1 %	70-130	
Trichlorofluoromethane F-11	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	161 %	70-130	360
Trichlorotrifluoroethane F-113	524.2	(SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.3 %	0-183	
			MSD	ug/L	10.00	94.4 %	0-183	
			MSRPD	ug/L	10.00	6.7%	≤33	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.6 %	70-130	
Vinyl Chloride	524.2	(SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	35.8 %	0-208	
			MSD	ug/L	40.00	40.1 %	0-208	
			MSRPD	ug/L	10.00	11.4%	≤40	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	208 %	30-130	360
Xylenes m,p	524.2	(SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	20.00	88.0 %	0-193	
			MSD	ug/L	20.00	93.6 %	0-193	
			MSRPD	ug/L	10.00	6.2%	≤37	
	524.2	09/23/16:214001VRG	CCV	ug/L	20.00	89.3 %	70-130	
Xylenes o	524.2	(SP 1611120-001)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	84.7 %	0-188	
			MSD	ug/L	10.00	90.6 %	0-188	
			MSRPD	ug/L	10.00	6.8%	≤36	
	524.2	09/23/16:214001VRG	CCV	ug/L	10.00	86.0 %	70-130	
3-Hydroxycarbofuran	531.1	(STK1651142-001)	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	82.8 %	80-120	
			MS	ug/L	20.00	93.2 %	65-135	
			MSD	ug/L	20.00	81.6 %	65-135	
			MSRPD	ug/L	20.00	13.3%	≤16.8	
	531.1	09/29/16:214102SG	CCV	ug/L	20.00	89.8 %	80-120	
			CCV	ug/L	10.00	93.9 %	80-120	
Aldicarb	531.1	(STK1651142-001)	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	93.0 %	80-120	
			MS	ug/L	20.00	92.4 %	65-135	
			MSD	ug/L	20.00	84.2 %	65-135	
			MSRPD	ug/L	20.00	9.3%	≤11.2	
	531.1	09/29/16:214102SG	CCV	ug/L	20.00	89.8 %	80-120	
			CCV	ug/L	10.00	110 %	80-120	
Aldicarb Sulfone	531.1	09/29/16:214102SG	CCV	ug/L	20.00	107 %	80-120	
			CCV	ug/L	10.00	112 %	80-120	
Aldicarb Sulfone/Sulfoxide	531.1	(STK1651142-001)	Blank	ug/L		ND	<3	
			Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	110 %	80-120	
			LCS	ug/L	20.00	107 %	80-120	
			MS	ug/L	20.00	110 %	65-135	
			MS	ug/L	20.00	95.4 %	65-135	
			MSD	ug/L	20.00	104 %	65-135	
			MSD	ug/L	20.00	87.8 %	65-135	
			MSRPD	ug/L	20.00	22.7%	≤13.8	435
			MSRPD	ug/L	20.00	8.3%	≤7.28	435
Aldicarb Sulfoxide	531.1	09/29/16:214102SG	CCV	ug/L	20.00	88.0 %	80-120	
			CCV	ug/L	10.00	88.9 %	80-120	
Carbaryl	531.1	09/29/16:214102SG	CCV	ug/L	20.00	83.1 %	80-120	

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Organic								
Carbaryl	531.1	09/29/16:214102SG	CCV	ug/L	10.00	89.8 %	80-120	
Carbaryl/Naphthol	531.1	09/28/16:211702SG (STK1651142-001)	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	85.3 %	80-120	
			MS	ug/L	20.00	86.8 %	65-135	
			MSD	ug/L	20.00	85.7 %	65-135	
			MSRPD	ug/L	20.00	0.21	≤5	
Carbofuran	531.1	09/28/16:211702SG (STK1651142-001)	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	84.0 %	80-120	
			MS	ug/L	20.00	90.8 %	65-135	
			MSD	ug/L	20.00	97.2 %	65-135	
			MSRPD	ug/L	20.00	1.3	≤5	
	531.1	09/29/16:214102SG	CCV	ug/L	20.00	86.6 %	80-120	
			CCV	ug/L	10.00	108 %	80-120	
Methomyl	531.1	09/28/16:211702SG (STK1651142-001)	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	88.1 %	80-120	
			MS	ug/L	20.00	103 %	65-135	
			MSD	ug/L	20.00	87.0 %	65-135	
	531.1	09/29/16:214102SG	MSRPD	ug/L	20.00	16.5%	≤53.1	
			CCV	ug/L	20.00	114 %	80-120	
Oxamyl	531.1	09/28/16:211702SG (STK1651142-001)	CCV	ug/L	10.00	104 %	80-120	
			Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	104 %	80-120	
			MS	ug/L	20.00	89.6 %	65-135	
	531.1	09/29/16:214102SG	MSD	ug/L	20.00	129 %	65-135	
			MSRPD	ug/L	20.00	7.8	≤5	435
TOC	5310C	09/26/16:211516AMM	CCV	ug/L	20.00	93.0 %	80-120	
			CCV	ug/L	10.00	116 %	80-120	
			Blank	mg/L		ND	<0.3	
			BS	mg/L	15.00	111 %	75-125	
	5310C	09/27/16:214089AMM	BSD	mg/L	15.00	110 %	75-125	
			BSRPD	mg/L	15.00	1.5%	≤23.0	
Glyphosate	547	09/29/16:211782SG (SP 1611294-005)	CCV	ppm	15.00	111 %	67-122	
			CCV	ppm	15.00	110 %	67-122	
			Blank	ug/L		ND	<20	
			LCS	ug/L	200.0	85.0 %	71-129	
	547	09/30/16:214211SG	MS	ug/L	200.0	85.1 %	56-139	
			MSD	ug/L	200.0	84.3 %	56-139	
Endothall	548.1	09/27/16:211622SG (STK1652078-001)	MSRPD	ug/L	200.0	1.0%	≤15	
			CCV	ug/L	200.0	86.6 %	80-120	
			CCV	ug/L	100.0	88.4 %	80-120	
			Blank	ug/L		ND	<40	
			LCS	ug/L	66.67	72.5 %	30-96	
	548.1	10/07/16:214670SG	MS	ug/L	66.67	65.1 %	15-87	
			MSD	ug/L	66.67	65.3 %	15-87	
Diquat Dibromide	549	09/22/16:211450SG (SP 1611142-001)	MSRPD	ug/L	66.67	0.14	≤40	
			CCV	ug/L	1000	93.6 %	70-130	
			CCV	ug/L	2500	102 %	70-130	
			Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	60.4 %	34-114	
	549.2	09/23/16:213932SG	MS	ug/L	20.00	49.1 %	0-86	
			MSD	ug/L	20.00	48.7 %	0-86	
			MSRPD	ug/L	20.00	0.061	≤2	
			CCV	ug/L	500.0	86.8 %	80-120	
			CCV	ug/L	1000	90.0 %	80-120	

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Organic								
2,3-Dibromopropionic Acid	552	09/28/16:211687SBL (SP 1611204-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	5.000 5.000 5.000 5.000 5.000	91.5 % 99.5 % 126 % 124 % 2.2%	70-130 70-130 70-130 70-130 ≤20.0	
Dibromoacetic Acid	552	09/28/16:211687SBL (SP 1611204-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00 5.000	ND 115 % 97.6 % 123 % 17.2%	<1 70-130 70-130 70-130 ≤20.0	
Dichloroacetic Acid	552	09/28/16:211687SBL (SP 1611204-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00 5.000	ND 117 % 99.2 % 123 % 18.3%	<1 70-130 70-130 70-130 ≤20.0	
Monobromoacetic Acid	552	09/28/16:211687SBL (SP 1611204-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00 5.000	ND 110 % 101 % 106 % 4.8%	<1 70-130 70-130 70-130 ≤20.0	
Monochloroacetic Acid	552	09/28/16:211687SBL (SP 1611204-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00 5.000	ND 119 % 108 % 114 % 5.8%	<2 70-130 70-130 70-130 ≤20.0	
Trichloroacetic Acid	552	09/28/16:211687SBL (SP 1611204-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	10.00 10.00 10.00 10.00 5.000	ND 95.6 % 74.4 % 99.5 % 26.6%	<1 70-130 70-130 70-130 ≤20.0	435
2,3-Dibromopropionic Acid	552.2	09/29/16:214149SBL	CCV CCV	ug/L ug/L	50.00 75.00	106 % 98.8 %	70-130 70-130	
Dibromoacetic Acid	552.2	09/29/16:214149SBL	CCV CCV	ug/L ug/L	100.0 150.0	118 % 130 %	70-130 70-130	
Dichloroacetic Acid	552.2	09/29/16:214149SBL	CCV CCV	ug/L ug/L	100.0 150.0	126 % 130 %	70-130 70-130	
Monobromoacetic Acid	552.2	09/29/16:214149SBL	CCV CCV	ug/L ug/L	100.0 150.0	118 % 121 %	70-130 70-130	
Monochloroacetic Acid	552.2	09/29/16:214149SBL	CCV CCV	ug/L ug/L	100.0 150.0	129 % 127 %	70-130 70-130	
Trichloroacetic Acid	552.2	09/29/16:214149SBL	CCV CCV	ug/L ug/L	100.0 150.0	101 % 113 %	70-130 70-130	
Chlordane	608	09/27/16:211539JOM	Blank	ug/L		ND	<2	
PCB 1016 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1242 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	608	09/27/16:211539JOM	Blank LCS BS BSD	ug/L ug/L ug/L ug/L	0.5005 0.5005 0.5005 0.5005	35.5 % 46.0 % 61.2 % 71.8 %	15-143 15-143 26-141 26-141	

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Organic								
Tetrachloro-m-xylene	608	09/27/16:211539JOM	BSRPD	ug/L	0.5005	16.0%	≤29	
	608	09/29/16:214106SBL	CCV CCV	ug/L ug/L	50.05 100.1	108 % 103 %	85-115 85-115	
Toxaphene	608	09/27/16:211539JOM	Blank	ug/L		ND	<0.5	
1,1,1-Trichloroethane(TCA)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	97.6 %	66-191	
			MSD	ug/L	10.00	98.4 %	66-191	
			MSRPD	ug/L	10.00	0.8%	≤21	
1,1,2,2-Tetrachloroethane	624	09/22/16:213938VRG (SP 1611120-009)	CCV	ug/L	10.00	86.3 %	75-125	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	30-180	
			MSD	ug/L	10.00	119 %	30-180	
1,1,2-Trichloroethane	624	09/22/16:213938VRG (SP 1611120-009)	MSRPD	ug/L	10.00	1.6%	≤19	
			CCV	ug/L	10.00	105 %	60-140	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	50-146	
1,1-Dichloroethane	624	09/22/16:211564VRG (SP 1611120-009)	MSD	ug/L	10.00	123 %	50-146	
			MSRPD	ug/L	10.00	7.5%	≤25	
			CCV	ug/L	10.00	104 %	71-129	
			Blank	ug/L		ND	<0.5	
1,1-Dichloroethylene	624	09/22/16:213938VRG (SP 1611120-009)	MS	ug/L	10.00	147 %	63-159	
			MSD	ug/L	10.00	147 %	63-159	
			MSRPD	ug/L	10.00	0.3%	≤22	
			CCV	ug/L	10.00	129 %	72-128	360
1,2-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	107 %	0-279	
			MSD	ug/L	10.00	113 %	0-279	
			MSRPD	ug/L	10.00	5.3%	≤36	
1,2-Dichloroethane (EDC)	624	09/22/16:213938VRG (SP 1611120-009)	CCV	ug/L	10.00	102 %	51-150	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	56-158	
			MSD	ug/L	10.00	111 %	56-158	
1,2-Dichloropropane	624	09/22/16:213938VRG (SP 1611120-009)	MSRPD	ug/L	10.00	7.0%	≤24	
			CCV	ug/L	10.00	101 %	68-132	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	55-152	
1,3-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	MSD	ug/L	10.00	126 %	55-152	
			MSRPD	ug/L	10.00	1.9%	≤23	
			CCV	ug/L	10.00	114 %	34-166	
			Blank	ug/L		ND	<0.5	
1,4-Dichlorobenzene	624	09/22/16:213938VRG (SP 1611120-009)	MS	ug/L	10.00	150 %	53-159	
			MSD	ug/L	10.00	153 %	53-159	
			MSRPD	ug/L	10.00	1.7%	≤28	
			CCV	ug/L	10.00	127 %	73-127	
1,4-Dichlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	159 %	53-161	
			MSD	ug/L	10.00	158 %	53-161	
			MSRPD	ug/L	10.00	0.7%	≤27	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	138 %	63-137	360

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Organic 2-Butanone (MEK)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<40	
			MS	ug/L	100.0	39.9 %	0-211	
			MSD	ug/L	100.0	43.9 %	0-211	
			MSRPD	ug/L	10.00	4.1	≤40	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	49.1 %	20-230	
2-Chloroethylvinyl ether	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<1	
			MS	ug/L	100.0	79.6 %	0-11	435
			MSD	ug/L	100.0	80.4 %	0-11	435
			MSRPD	ug/L	10.00	0.9%	≤3	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	93.7 %	10-224	
2-Hexanone	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	40.3 %	0-190	
			MSD	ug/L	100.0	40.4 %	0-190	
			MSRPD	ug/L	10.00	0.074	≤30	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	52.1 %	20-283	
4-Bromofluorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L	10.00	100 %	70-161	
			MS	ug/L	10.00	101 %	58-151	
			MSD	ug/L	10.00	93.6 %	58-151	
			MSRPD	ug/L	10.00	8.1%	≤14	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	97.4 %	70-130	
4-Methyl-2-pentanone (MIBK)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	48.0 %	0-194	
			MSD	ug/L	100.0	51.5 %	0-194	
			MSRPD	ug/L	10.00	3.5	≤30	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	61.1 %	20-233	
Acetone	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<25	
			MS	ug/L	100.0	61.9 %	0-270	
			MSD	ug/L	100.0	62.0 %	0-270	
			MSRPD	ug/L	10.00	0.069	≤25	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	105 %	20-367	
Acrolein	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<5	
			MS	ug/L	200.0	102 %	0-171	
			MSD	ug/L	200.0	119 %	0-171	
			MSRPD	ug/L	10.00	15.8%	≤50	
	624	09/22/16:213938VRG	CCV	ug/L	200.0	85.7 %	20-209	
Acrylonitrile	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<2	
			MS	ug/L	200.0	147 %	0-244	
			MSD	ug/L	200.0	150 %	0-244	
			MSRPD	ug/L	10.00	2.3%	≤47	
	624	09/22/16:213938VRG	CCV	ug/L	200.0	108 %	20-278	
Benzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	65-155	
			MSD	ug/L	10.00	111 %	65-155	
			MSRPD	ug/L	10.00	0.6%	≤21	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	99.2 %	64-136	
Bromodichloromethane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	62-150	
			MSD	ug/L	10.00	131 %	62-150	
			MSRPD	ug/L	10.00	1.4%	≤22	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	110 %	65-135	
Bromoform	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	147 %	64-150	
			MSD	ug/L	10.00	138 %	64-150	
			MSRPD	ug/L	10.00	6.3%	≤16	

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Organic								
Bromoform	624	09/22/16:213938VRG	CCV	ug/L	10.00	132 %	71-129	360
Bromomethane (Methyl Bromide)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	272 %	48-196	435
			MSD	ug/L	10.00	279 %	48-196	435
			MSRPD	ug/L	10.00	2.5%	≤24	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	224 %	14-186	360
Carbon Disulfide	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<5	
			MS	ug/L	100.0	82.8 %	0-230	
			MSD	ug/L	100.0	82.5 %	0-230	
			MSRPD	ug/L	10.00	0.4%	≤72	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	103 %	20-242	
Carbon Tetrachloride	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	69-206	
			MSD	ug/L	10.00	104 %	69-206	
			MSRPD	ug/L	10.00	0.7%	≤19	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	99.0 %	73-127	
Chlorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	69-152	
			MSD	ug/L	10.00	124 %	69-152	
			MSRPD	ug/L	10.00	1.0%	≤24	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	108 %	66-134	
Chloroethane (Ethyl Chloride)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	170 %	53-214	
			MSD	ug/L	10.00	168 %	53-214	
			MSRPD	ug/L	10.00	1.0%	≤32	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	136 %	38-162	
Chloroform	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	55-155	
			MSD	ug/L	10.00	111 %	55-155	
			MSRPD	ug/L	10.00	0.9%	≤22	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	104 %	67-133	
Chloromethane(Methyl Chloride)	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	232 %	33-202	435
			MSD	ug/L	10.00	253 %	33-202	435
			MSRPD	ug/L	10.00	8.8%	≤25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	265 %	0-204	360
cis-1,3-Dichloropropene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	59-142	
			MSD	ug/L	10.00	131 %	59-142	
			MSRPD	ug/L	10.00	1.9%	≤23	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	116 %	24-176	
Dibromochloromethane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	53-151	
			MSD	ug/L	10.00	124 %	53-151	
			MSRPD	ug/L	10.00	2.9%	≤25	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	116 %	67-133	
Dichloromethane	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<2	
			MS	ug/L	10.00	143 %	24-207	
			MSD	ug/L	10.00	148 %	24-207	
			MSRPD	ug/L	10.00	2.8%	≤33	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	128 %	60-139	
Ethylbenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	170 %	45-194	
			MSD	ug/L	10.00	151 %	45-194	

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Organic								
Ethylbenzene	624	09/22/16:211564VRG	MSRPD	ug/L	10.00	11.7%	≤31	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	132 %	59-141	
Fluorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	Blank	ug/L	10.00	96.7 %	72-139	
			MS	ug/L	10.00	101 %	90-121	
			MSD	ug/L	10.00	95.4 %	90-121	
			MSRPD	ug/L	10.00	5.9%	≤3	435
Freon-11	624	09/22/16:213938VRG (SP 1611120-009)	CCV	ug/L	10.00	94.6 %	70-130	
			Blank	ug/L		ND	<2.0	
			MS	ug/L	10.00	165 %	57-259	
			MSD	ug/L	10.00	169 %	57-259	
Methyl tert-Butyl Ether (MTBE)	624	09/22/16:213938VRG (SP 1611120-009)	MSRPD	ug/L	10.00	1.9%	≤27	
			CCV	ug/L	10.00	117 %	48-152	
			Blank	ug/L		ND	<5	
			MS	ug/L	10.00	151 %	26-210	
Pentafluorobenzene	624	09/22/16:211564VRG (SP 1611120-009)	MSD	ug/L	10.00	150 %	26-210	
			MSRPD	ug/L	10.00	0.13	≤5	
			CCV	ug/L	10.00	135 %	63-178	
			Blank	ug/L	10.00	70.3 %	59-151	
Styrene	624	09/22/16:211564VRG (SP 1611120-009)	MS	ug/L	10.00	73.9 %	74-148	
			MSD	ug/L	10.00	76.1 %	74-148	
			MSRPD	ug/L	10.00	2.9%	≤10	
			CCV	ug/L	10.00	76.7 %	70-130	
Tetrachloroethylene (PCE)	624	09/22/16:213938VRG (SP 1611120-009)	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	63-171	
			MSD	ug/L	10.00	105 %	63-171	
			MSRPD	ug/L	10.00	0.6%	≤26	
Toluene	624	09/22/16:211564VRG (SP 1611120-009)	CCV	ug/L	10.00	90.9 %	73-127	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	65-160	
			MSD	ug/L	10.00	112 %	65-160	
trans-1,2-Dichloroethylene	624	09/22/16:213938VRG (SP 1611120-009)	MSRPD	ug/L	10.00	1.2%	≤25	
			CCV	ug/L	10.00	101 %	74-126	
			Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	68-179	
trans-1,3-Dichloropropene	624	09/22/16:211564VRG (SP 1611120-009)	MSD	ug/L	10.00	132 %	68-179	
			MSRPD	ug/L	10.00	2.3%	≤51	
			CCV	ug/L	10.00	112 %	69-131	
			Blank	ug/L		ND	<0.5	
Trichloroethylene (TCE)	624	09/22/16:213938VRG (SP 1611120-009)	MS	ug/L	10.00	134 %	55-148	
			MSD	ug/L	10.00	136 %	55-148	
			MSRPD	ug/L	10.00	1.0%	≤25	
			CCV	ug/L	10.00	121 %	50-150	
Vinyl Acetate	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	100.0	102 %	0-331	
			MSD	ug/L				
			MSRPD	ug/L				

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Organic								
Vinyl Acetate	624	(SP 1611120-009)	MSD	ug/L	100.0	107 %	0-331	
			MSRPD	ug/L	10.00	4.1%	≤44	
	624	09/22/16:213938VRG	CCV	ug/L	80.00	116 %	20-393	
Vinyl Chloride	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	230 %	32-217	435
		(SP 1611120-009)	MSD	ug/L	10.00	250 %	32-217	435
			MSRPD	ug/L	10.00	8.4%	≤26	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	171 %	4-196	
Xylenes m,p	624	09/22/16:211564VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	20.00	166 %	50-181	
		(SP 1611120-009)	MSD	ug/L	20.00	147 %	50-181	
			MSRPD	ug/L	10.00	12.3%	≤30	
	624	09/22/16:213938VRG	CCV	ug/L	20.00	129 %	45-170	
Xylenes o	624	09/22/16:211564VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	174 %	38-182	
		(SP 1611120-009)	MSD	ug/L	10.00	157 %	38-182	
			MSRPD	ug/L	10.00	10.1%	≤29	
	624	09/22/16:213938VRG	CCV	ug/L	10.00	137 %	63-163	
1,2,4-Trichlorobenzene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	98.9 %	36-79	310
			BS	ug/L	20.00	60.8 %	20-89	
			BSD	ug/L	20.00	59.9 %	20-89	
			BSRPD	ug/L	20.00	1.4%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	91.4 %	80-120	
1,2-Dichlorobenzene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	86.5 %	32-75	310
			BS	ug/L	20.00	67.7 %	18-83	
			BSD	ug/L	20.00	55.8 %	18-83	
			BSRPD	ug/L	20.00	19.3%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	104 %	80-120	
1,2-Diphenylhydrazine	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	92.5 %	63-89	310
			BS	ug/L	20.00	84.0 %	25-125	
			BSD	ug/L	20.00	86.8 %	25-125	
			BSRPD	ug/L	20.00	3.2%	≤30	
1,3-Dichlorobenzene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	83.6 %	25-67	310
			BS	ug/L	20.00	59.2 %	13-81	
			BSD	ug/L	20.00	57.7 %	13-81	
			BSRPD	ug/L	20.00	2.5%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	102 %	80-120	
1,4-Dichlorobenzene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	81.3 %	26-70	310
			BS	ug/L	20.00	59.9 %	14-81	
			BSD	ug/L	20.00	57.0 %	14-81	
			BSRPD	ug/L	20.00	4.9%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	102 %	80-120	
2,4,5-Trichlorophenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	96.4 %	63-122	
			BS	ug/L	20.00	83.3 %	26-151	
			BSD	ug/L	20.00	91.6 %	26-151	
			BSRPD	ug/L	20.00	9.4%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	117 %	70-130	
2,4,6-Tribromophenol	625	09/28/16:211666JOM	Blank	ug/L	20.00	87.0 %	17-97	

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Organic 2,4,6-Tribromophenol	625	09/28/16:211666JOM	LCS	ug/L	20.00	96.0 %	17-97	436 436
			BS	ug/L	20.00	100 %	17-97	
			BSD	ug/L	20.00	99.8 %	17-97	
			BSRPD	ug/L	20.00	0.2%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	119 %	80-120	
2,4,6-Trichlorophenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	95.9 %	67-124	
			BS	ug/L	20.00	85.1 %	24-139	
			BSD	ug/L	20.00	90.6 %	24-139	
			BSRPD	ug/L	20.00	6.3%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	114 %	80-120	
2,4-Dichlorophenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	310
			LCS	ug/L	20.00	119 %	68-112	
			BS	ug/L	20.00	94.2 %	22-139	
			BSD	ug/L	20.00	87.1 %	22-139	
			BSRPD	ug/L	20.00	7.9%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	97.5 %	80-120	
2,4-Dimethylphenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	93.8 %	37-98	
			BS	ug/L	20.00	78.3 %	17-92	
			BSD	ug/L	20.00	67.9 %	17-92	
			BSRPD	ug/L	20.00	14.3%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	131 %	80-120	360
2,4-Dinitrophenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	93.5 %	67-115	
			BS	ug/L	20.00	95.9 %	0-158	
			BSD	ug/L	20.00	105 %	0-158	
			BSRPD	ug/L	20.00	1.8	≤5	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	103 %	80-120	
2,4-Dinitrotoluene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	104 %	74-147	
			BS	ug/L	20.00	105 %	23-146	
			BSD	ug/L	20.00	103 %	23-146	
			BSRPD	ug/L	20.00	2.5%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	108 %	80-120	
2,6-Dinitrotoluene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	101 %	63-144	
			BS	ug/L	20.00	105 %	22-152	
			BSD	ug/L	20.00	97.7 %	22-152	
			BSRPD	ug/L	20.00	6.8%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	112 %	80-120	
2-Chlorophenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	89.5 %	50-108	
			BS	ug/L	20.00	88.4 %	26-118	
			BSD	ug/L	20.00	79.6 %	26-118	
			BSRPD	ug/L	20.00	10.5%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	108 %	80-120	
2-Fluorobiphenyl	625	09/28/16:211666JOM	Blank	ug/L	10.00	80.9 %	10-99	
			LCS	ug/L	10.00	87.9 %	10-99	
			BS	ug/L	10.00	75.0 %	10-99	
			BSD	ug/L	10.00	79.5 %	10-99	
			BSRPD	ug/L	20.00	5.8%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	10.00	107 %	80-120	
2-Fluorophenol	625	09/28/16:211666JOM	Blank	ug/L	20.00	82.8 %	15-96	

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Organic								
2-Fluorophenol	625	09/28/16:211666JOM	LCS	ug/L	20.00	81.8 %	15-96	
			BS	ug/L	20.00	71.3 %	15-96	
			BSD	ug/L	20.00	69.6 %	15-96	
			BSRPD	ug/L	20.00	2.3%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	110 %	80-120	
2-Nitrophenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	112 %	59-132	
			BS	ug/L	20.00	92.2 %	29-132	
			BSD	ug/L	20.00	83.4 %	29-132	
			BSRPD	ug/L	20.00	10%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	133 %	80-120	360
3,3-Dichlorobenzidine	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	184 %	59-148	310
			BS	ug/L	20.00	206 %	14-100	436
			BSD	ug/L	20.00	207 %	14-100	436
			BSRPD	ug/L	20.00	0.7%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	142 %	80-120	360
4,6-Dinitro-2-methylphenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.7 %	85-109	
			BS	ug/L	20.00	103 %	18-165	
			BSD	ug/L	20.00	101 %	18-165	
			BSRPD	ug/L	20.00	1.5%	≤30	
4,6-Dinitro-o-cresol	625	10/04/16:214509SBL	CCV	mg/L	20.00	101 %	80-120	
4-Bromophenylphenylether	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	95.2 %	64-116	
			BS	ug/L	20.00	89.1 %	22-130	
			BSD	ug/L	20.00	89.5 %	22-130	
			BSRPD	ug/L	20.00	0.5%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	106 %	80-120	
4-Nitrophenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	126 %	61-102	310
			BS	ug/L	20.00	128 %	0-189	
			BSD	ug/L	20.00	125 %	0-189	
			BSRPD	ug/L	20.00	2.5%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	119 %	80-120	
Acenaphthene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.5 %	15-122	
			BS	ug/L	20.00	89.5 %	26-118	
			BSD	ug/L	20.00	84.4 %	26-118	
			BSRPD	ug/L	20.00	5.8%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	111 %	80-120	
Acenaphthylene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.3 %	17-118	
			BS	ug/L	20.00	91.4 %	30-113	
			BSD	ug/L	20.00	87.2 %	30-113	
			BSRPD	ug/L	20.00	4.7%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	116 %	80-120	
Anthracene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	95.3 %	23-126	
			BS	ug/L	20.00	96.8 %	29-122	
			BSD	ug/L	20.00	94.7 %	29-122	
			BSRPD	ug/L	20.00	2.2%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	115 %	80-120	
Azobenzene	625	10/04/16:214509SBL	CCV	mg/L	20.00	101 %	80-120	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Benzidine	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	320
			LCS	ug/L	20.00	4.6 %	6-32	
			BS	ug/L	20.00	0.8 %	0-25	
			BSD	ug/L	20.00	0.0 %	0-25	
			BSRPD	ug/L	20.00	0.16	≤2	
Benzo(a)anthracene	625	10/04/16:214509SBL	CCV	mg/L	20.00	80.3 %	70-130	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	97.6 %	21-132	
			BS	ug/L	20.00	98.3 %	22-121	
			BSD	ug/L	20.00	98.9 %	22-121	
Benzo(a)pyrene	625	10/04/16:214509SBL	BSRPD	ug/L	20.00	0.6%	≤30	
			CCV	mg/L	20.00	113 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	102 %	21-142	
			BS	ug/L	20.00	106 %	10-135	
Benzo(b)fluoranthene	625	09/28/16:211666JOM	BSD	ug/L	20.00	99.6 %	10-135	
			BSRPD	ug/L	20.00	6.6%	≤30	
			CCV	mg/L	20.00	121 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	80.0 %	20-137	
Benzo(g,h,i)perylene	625	10/04/16:214509SBL	BS	ug/L	20.00	100 %	18-126	
			BSD	ug/L	20.00	92.9 %	18-126	
			BSRPD	ug/L	20.00	7.9%	≤30	
			CCV	mg/L	20.00	109 %	80-120	
			Blank	ug/L		ND	<1	
Benzo(k)fluoranthene	625	09/28/16:211666JOM	LCS	ug/L	20.00	96.1 %	4-153	
			BS	ug/L	20.00	104 %	13-133	
			BSD	ug/L	20.00	107 %	13-133	
			BSRPD	ug/L	20.00	3.2%	≤30	
			CCV	mg/L	20.00	126 %	80-120	
bis(2-Chloroethoxy)methane	625	10/04/16:214509SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	83.7 %	24-133	
			BS	ug/L	20.00	102 %	18-129	
			BSD	ug/L	20.00	96.9 %	18-129	
			BSRPD	ug/L	20.00	4.7%	≤30	
bis(2-Chloroethyl)ether	625	09/28/16:211666JOM	CCV	mg/L	20.00	119 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	108 %	54-112	
			BS	ug/L	20.00	89.4 %	23-130	
			BSD	ug/L	20.00	82.4 %	23-130	
bis(2-Chloroisopropyl)ether	625	10/04/16:214509SBL	BSRPD	ug/L	20.00	8.1%	≤30	
			CCV	mg/L	20.00	127 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	322 %	45-104	
			BS	ug/L	20.00	233 %	23-121	
	625	09/28/16:211666JOM	BSD	ug/L	20.00	206 %	23-121	
			BSRPD	ug/L	20.00	12.0%	≤30	
			CCV	mg/L	20.00	103 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.9 %	44-99	
	625	10/04/16:214509SBL	BS	ug/L	20.00	91.3 %	10-125	
			BSD	ug/L	20.00	66.8 %	10-125	
			BSRPD	ug/L	20.00	31.0%	≤30	
			CCV	mg/L	20.00	91.1 %	80-120	
			Blank	ug/L		ND	<1	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic bis(2-Ethylhexyl)phthalate	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	84.8 %	49-123	
			BS	ug/L	20.00	91.0 %	15-146	
			BSD	ug/L	20.00	87.7 %	15-146	
			BSRPD	ug/L	20.00	3.6%	≤30	
Butylbenzylphthalate	625	09/28/16:211666JOM	CCV	mg/L	20.00	87.4 %	80-120	
			Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	50.1 %	59-92	320
			BS	ug/L	20.00	80.5 %	36-130	
			BSD	ug/L	20.00	80.8 %	36-130	
Chloronaphthalene	625	09/28/16:211666JOM	BSRPD	ug/L	20.00	0.3%	≤30	
			CCV	mg/L	20.00	98.8 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	91.2 %	51-100	
			BS	ug/L	20.00	70.2 %	17-123	
Chlorophenylphenylether	625	09/28/16:211666JOM	BSD	ug/L	20.00	79.2 %	17-123	
			BSRPD	ug/L	20.00	12.0%	≤30	
			CCV	mg/L	20.00	105 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	87.2 %	63-114	
Chrysene	625	09/28/16:211666JOM	BS	ug/L	20.00	86.2 %	21-128	
			BSD	ug/L	20.00	85.2 %	21-128	
			BSRPD	ug/L	20.00	1.2%	≤30	
			CCV	mg/L	20.00	103 %	80-120	
			Blank	ug/L		ND	<1	
Dibenzo(a,h)anthracene	625	09/28/16:211666JOM	LCS	ug/L	20.00	95.6 %	22-130	
			BS	ug/L	20.00	95.1 %	22-119	
			BSD	ug/L	20.00	98.2 %	22-119	
			BSRPD	ug/L	20.00	3.2%	≤30	
			CCV	mg/L	20.00	112 %	80-120	
Diethylphthalate	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	47.7 %	33-76	
			BS	ug/L	20.00	40.5 %	25-128	
			BSD	ug/L	20.00	60.1 %	25-128	
			BSRPD	ug/L	20.00	38.9%	≤30	410
Dimethylphthalate	625	09/28/16:211666JOM	CCV	mg/L	20.00	108 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	25.4 %	21-63	
			BS	ug/L	20.00	12.4 %	25-124	436
			BSD	ug/L	20.00	37.1 %	25-124	
Di-n-butylphthalate	625	09/28/16:211666JOM	BSRPD	ug/L	20.00	4.9	≤1	410
			CCV	mg/L	20.00	108 %	80-120	
			Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	71.4 %	18-127	
			BS	ug/L	20.00	86.9 %	34-130	
	625	10/04/16:214509SBL	BSD	ug/L	20.00	92.8 %	34-130	
			BSRPD	ug/L	20.00	6.6%	≤30	
			CCV	mg/L	20.00	118 %	80-120	
			Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	71.4 %	18-127	

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Quality Control - Organic

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Organic Di-n-octylphthalate	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	67.3 %	29-136	
			BS	ug/L	20.00	83.1 %	27-131	
			BSD	ug/L	20.00	70.2 %	27-131	
			BSRPD	ug/L	20.00	16.8%	≤30	
Fluoranthene	625	10/04/16:214509SBL	CCV	mg/L	20.00	84.1 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.8 %	24-127	
			BS	ug/L	20.00	99.7 %	20-130	
			BSD	ug/L	20.00	98.5 %	20-130	
Fluorene	625	10/04/16:214509SBL	BSRPD	ug/L	20.00	1.2%	≤30	
			CCV	mg/L	20.00	116 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.2 %	20-123	
			BS	ug/L	20.00	95.5 %	25-126	
Hexachlorobenzene	625	09/28/16:211666JOM	BSD	ug/L	20.00	91.5 %	25-126	
			BSRPD	ug/L	20.00	4.3%	≤30	
			CCV	mg/L	20.00	109 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.0 %	65-114	
Hexachlorobutadiene	625	10/04/16:214509SBL	BS	ug/L	20.00	90.6 %	18-120	
			BSD	ug/L	20.00	88.5 %	18-120	
			BSRPD	ug/L	20.00	2.4%	≤30	
			CCV	mg/L	20.00	108 %	80-120	
			Blank	ug/L		ND	<1	
Hexachlorocyclopentadiene	625	09/28/16:211666JOM	LCS	ug/L	20.00	98.5 %	20-61	310
			BS	ug/L	20.00	46.7 %	13-84	
			BSD	ug/L	20.00	56.5 %	13-84	
			BSRPD	ug/L	20.00	19.0%	≤30	
			CCV	mg/L	20.00	90.8 %	80-120	
Hexachloroethane	625	10/04/16:214509SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	32.7 %	0-46	
			BS	ug/L	20.00	17.1 %	0-64	
			BSD	ug/L	20.00	23.6 %	0-64	
			BSRPD	ug/L	20.00	1.3	≤1	410
Indeno(1,2,3-c,d)pyrene	625	09/28/16:211666JOM	CCV	mg/L	20.00	102 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	80.2 %	14-52	310
			BS	ug/L	20.00	49.9 %	9-76	
			BSD	ug/L	20.00	43.9 %	9-76	
Isophorone	625	10/04/16:214509SBL	BSRPD	ug/L	20.00	12.9%	≤30	
			CCV	mg/L	20.00	103 %	80-120	
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	106 %	3-158	
			BS	ug/L	20.00	109 %	0-153	
Isophorone	625	10/04/16:214509SBL	BSD	ug/L	20.00	114 %	0-153	
			BSRPD	ug/L	20.00	4.6%	≤30	
			CCV	mg/L	20.00	132 %	80-120	360
			Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	127 %	55-108	310
Isophorone	625	09/28/16:211666JOM	BS	ug/L	20.00	91.8 %	26-122	
			BSD	ug/L	20.00	87.0 %	26-122	
			BSRPD	ug/L	20.00	5.4%	≤30	
			CCV	mg/L	20.00	134 %	80-120	360
			Blank	ug/L		ND	<1	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Naphthalene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.7 %	7-117	
			BS	ug/L	20.00	78.8 %	24-103	
			BSD	ug/L	20.00	73.1 %	24-103	
			BSRPD	ug/L	20.00	7.5%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	93.8 %	80-120	
Nitrobenzene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	128 %	53-107	310
			BS	ug/L	20.00	87.3 %	25-120	
			BSD	ug/L	20.00	58.6 %	25-120	
			BSRPD	ug/L	20.00	39.3%	≤30	410
	625	10/04/16:214509SBL	CCV	mg/L	20.00	131 %	80-120	360
Nitrobenzene-d5	625	09/28/16:211666JOM	Blank	ug/L	10.00	74.9 %	11-102	
			LCS	ug/L	10.00	125 %	11-102	310
			BS	ug/L	10.00	86.6 %	11-102	
			BSD	ug/L	10.00	56.8 %	11-102	
			BSRPD	ug/L	20.00	41.5%	≤30	410
	625	10/04/16:214509SBL	CCV	mg/L	10.00	138 %	80-120	362
N-Nitrosodimethylamine	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	85.0 %	34-102	
			BS	ug/L	20.00	75.1 %	13-128	
			BSD	ug/L	20.00	67.1 %	13-128	
			BSRPD	ug/L	20.00	11.2%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	88.5 %	80-120	
N-Nitrosodi-N-propylamine	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	98.0 %	48-108	
			BS	ug/L	20.00	96.9 %	9-142	
			BSD	ug/L	20.00	60.5 %	9-142	
			BSRPD	ug/L	20.00	46.3%	≤30	410
	625	10/04/16:214509SBL	CCV	mg/L	20.00	101 %	80-120	
N-Nitrosodiphenylamine	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.1 %	61-111	
			BS	ug/L	20.00	95.1 %	22-161	
			BSD	ug/L	20.00	93.6 %	22-161	
			BSRPD	ug/L	20.00	1.6%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	93.6 %	80-120	
p-Chloro-m-cresol	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	127 %	68-111	310
			BS	ug/L	20.00	96.0 %	25-139	
			BSD	ug/L	20.00	90.3 %	25-139	
			BSRPD	ug/L	20.00	6.2%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	141 %	80-120	360
Pentachlorophenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	112 %	46-168	
			BS	ug/L	20.00	116 %	0-170	
			BSD	ug/L	20.00	112 %	0-170	
			BSRPD	ug/L	20.00	4.2%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	122 %	80-120	360
Phenanthrene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	92.6 %	19-125	
			BS	ug/L	20.00	92.6 %	25-126	
			BSD	ug/L	20.00	93.0 %	25-126	
			BSRPD	ug/L	20.00	0.4%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	110 %	80-120	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Phenol	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	97.6 %	49-104	
			BS	ug/L	20.00	89.7 %	23-124	
			BSD	ug/L	20.00	81.6 %	23-124	
			BSRPD	ug/L	20.00	9.4%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	107 %	80-120	
Phenol-d6	625	09/28/16:211666JOM	Blank	ug/L	20.00	70.8 %	9-103	
			LCS	ug/L	20.00	89.9 %	9-103	
			BS	ug/L	20.00	82.7 %	9-103	
			BSD	ug/L	20.00	73.8 %	9-103	
			BSRPD	ug/L	20.00	11.4%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	105 %	80-120	
p-Terphenyl-d14	625	09/28/16:211666JOM	Blank	ug/L	10.00	96.2 %	25-123	
			LCS	ug/L	10.00	89.5 %	25-123	
			BS	ug/L	10.00	93.8 %	25-123	
			BSD	ug/L	10.00	90.6 %	25-123	
			BSRPD	ug/L	20.00	3.5%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	10.00	96.6 %	80-120	
Pyrene	625	09/28/16:211666JOM	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.7 %	15-138	
			BS	ug/L	20.00	92.3 %	31-121	
			BSD	ug/L	20.00	91.1 %	31-121	
			BSRPD	ug/L	20.00	1.3%	≤30	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	98.2 %	80-120	
Pyridine	625	09/28/16:211666JOM	Blank	ug/L		ND	<10	
			LCS	ug/L	20.00	31.1 %	5-72	
			BS	ug/L	20.00	6.8 %	0-64	
			BSD	ug/L	20.00	3.9 %	0-64	
			BSRPD	ug/L	20.00	0.58	≤10	
	625	10/04/16:214509SBL	CCV	mg/L	20.00	84.1 %	80-120	
2,4'-DDD	625P	10/01/16:214450SG	CCV	ug/L	100.0	108 %	70-130	
2,4'-DDE	625P	10/01/16:214450SG	CCV	ug/L	100.0	113 %	70-130	
2,4'-DDT	625P	10/01/16:214450SG	CCV	ug/L	100.0	90.4 %	70-130	
Aldrin	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.8 %	0-131	
			BS	ug/L	0.1000	282 %	4-108	436
			BSD	ug/L	0.1000	91.1 %	4-108	
			BSRPD	ug/L	0.1000	102%	≤25	410
	625P	10/01/16:214450SG	CCV	ug/L	100.0	99.6 %	70-130	
Alpha BHC	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	85.4 %	9-125	
			BS	ug/L	0.1000	88.3 %	17-100	
			BSD	ug/L	0.1000	84.2 %	17-100	
			BSRPD	ug/L	0.1000	4.8%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	129 %	70-130	
alpha-Chlordane	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	81.4 %	14-126	
			BS	ug/L	0.1000	99.6 %	0-135	
			BSD	ug/L	0.1000	91.4 %	0-135	
			BSRPD	ug/L	0.1000	8.6%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	121 %	70-130	
Beta BHC	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	94.0 %	13-125	
			BS	ug/L	0.1000	74.0 %	16-123	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic Beta BHC	625P	09/27/16:211614JOM	BSD	ug/L	0.1000	83.9 %	16-123	
			BSRPD	ug/L	0.1000	12.5 %	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	101 %	70-130	
cis_Nonachlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	88.4 %	10-138	
			BS	ug/L	0.1000	98.9 %	0-120	
			BSD	ug/L	0.1000	98.0 %	0-120	
			BSRPD	ug/L	0.1000	0.9 %	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	112 %	70-130	
Delta BHC	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	87.5 %	0-122	
			BS	ug/L	0.1000	70.3 %	0-112	
			BSD	ug/L	0.1000	77.7 %	0-112	
			BSRPD	ug/L	0.1000	10 %	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	98.9 %	70-130	
Dieldrin	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	91.7 %	19-120	
			BS	ug/L	0.1000	82.8 %	0-121	
			BSD	ug/L	0.1000	98.4 %	0-121	
			BSRPD	ug/L	0.1000	17.2 %	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	114 %	70-130	
Endosulfan I	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	89.5 %	18-129	
			BS	ug/L	0.1000	84.1 %	0-154	
			BSD	ug/L	0.1000	84.4 %	0-154	
			BSRPD	ug/L	0.1000	0.4 %	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	103 %	70-130	
Endosulfan II	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	96.7 %	22-128	
			BS	ug/L	0.1000	94.7 %	0-149	
			BSD	ug/L	0.1000	106 %	0-149	
			BSRPD	ug/L	0.1000	11.7 %	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	103 %	70-130	
Endosulfan Sulfate	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	76.9 %	32-106	
			BS	ug/L	0.1000	76.1 %	4-140	
			BSD	ug/L	0.1000	87.9 %	4-140	
			BSRPD	ug/L	0.1000	14.4 %	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	91.7 %	70-130	
Endrin	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.3 %	0-130	
			BS	ug/L	0.1000	42.5 %	7-101	
			BSD	ug/L	0.1000	69.9 %	7-101	
			BSRPD	ug/L	0.1000	48.8 %	≤25	410
	625P	10/01/16:214450SG	CCV	ug/L	100.0	87.5 %	70-130	
Endrin Aldehyde	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	122 %	16-135	
			BS	ug/L	0.1000	100 %	0-148	
			BSD	ug/L	0.1000	99.6 %	0-148	
			BSRPD	ug/L	0.1000	0.4 %	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	117 %	70-130	
Endrin Ketone	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	69.4 %	25-121	
			BS	ug/L	0.1000	83.0 %	21-111	

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Organic								
Endrin Ketone	625P	09/27/16:211614JOM	BSD	ug/L	0.1000	83.9 %	21-111	
			BSRPD	ug/L	0.1000	1.1%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	121 %	70-130	
gamma-Chlordane	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	94.7 %	20-123	
			BS	ug/L	0.1000	103 %	1-116	
			BSD	ug/L	0.1000	104 %	1-116	
			BSRPD	ug/L	0.1000	0.6%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	130 %	70-130	
Heptachlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.6 %	19-119	
			BS	ug/L	0.1000	70.2 %	13-100	
			BSD	ug/L	0.1000	73.1 %	13-100	
			BSRPD	ug/L	0.1000	4.0%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	114 %	70-130	
Heptachlor Epoxide	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	93.4 %	18-131	
			BS	ug/L	0.1000	111 %	0-127	
			BSD	ug/L	0.1000	98.9 %	0-127	
			BSRPD	ug/L	0.1000	11.5%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	122 %	70-130	
Lindane	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	106 %	22-181	
			BS	ug/L	0.1000	95.0 %	0-234	
			BSD	ug/L	0.1000	104 %	0-234	
			BSRPD	ug/L	0.1000	8.6%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	119 %	70-130	
Methoxychlor	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	91.5 %	26-113	
			BS	ug/L	0.1000	87.4 %	2-107	
			BSD	ug/L	0.1000	94.3 %	2-107	
			BSRPD	ug/L	0.1000	7.5%	≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	88.6 %	70-130	
o,p - DDD	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	88.9 %	15-136	
			BS	ug/L	0.1000	94.3 %	12-118	
			BSD	ug/L	0.1000	99.1 %	12-118	
			BSRPD	ug/L	0.1000	5.0%	≤25	
o,p - DDE	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	90.1 %	23-124	
			BS	ug/L	0.1000	82.5 %	0-108	
			BSD	ug/L	0.1000	85.8 %	0-108	
			BSRPD	ug/L	0.1000	4.0%	≤25	
o,p - DDT	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	74.2 %	27-131	
			BS	ug/L	0.1000	78.3 %	0-124	
			BSD	ug/L	0.1000	73.9 %	0-124	
			BSRPD	ug/L	0.1000	5.8%	≤25	
p,p - DDD	625P	10/01/16:214450SG	CCV	ug/L	100.0	93.8 %	70-130	
p,p - DDE	625P	10/01/16:214450SG	CCV	ug/L	100.0	86.8 %	70-130	
p,p - DDT	625P	10/01/16:214450SG	CCV	ug/L	100.0	105 %	70-130	
p,p'-DDD	625P	09/27/16:211614JOM	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	0-177	
			BS	ug/L	0.1000	80.8 %	17-107	

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
p,p`-DDD	625P	09/27/16:211614JOM	BSD BSRPD	ug/L ug/L	0.1000 0.1000	85.1 % 5.2%	17-107 ≤25	
p,p`-DDE	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 0.1000 0.1000 0.1000 0.1000	ND 72.5 % 76.4 % 77.1 % 0.9%	<0.005 23-126 2-107 2-107 ≤25	
p,p`-DDT	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 0.1000 0.1000 0.1000 0.1000	ND 78.9 % 89.9 % 90.0 % 0.2%	<0.005 32-108 0-128 0-128 ≤25	
Tetrachloro-m-xylene	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	0.1000 0.1000 0.1000 0.1000 0.1000	63.5 % 66.5 % 62.5 % 65.9 % 5.3%	26-90 26-90 26-90 26-90 ≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	104 %	70-130	
trans-Nonachlor	625P	09/27/16:211614JOM	Blank LCS BS BSD BSRPD	ug/L ug/L ug/L ug/L ug/L	 0.1000 0.1000 0.1000 0.1000	ND 95.0 % 82.5 % 102 % 21.5%	<0.005 9-139 0-120 0-120 ≤25	
	625P	10/01/16:214450SG	CCV	ug/L	100.0	120 %	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 analyte. 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. 320 : LCS not within Acceptance Range (AR). Data was accepted based on the BS/BSD recovery. 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.								

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals Boron	200.7	(VI 1643927-006)	MS	mg/L	4.000	104 %	75-125	
			MSD	mg/L	4.000	101 %	75-125	
			MSRPD	mg/L	4000	3.1%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.058	0.1	
			CCV	ppm	5.000	98.0 %	90-110	
			CCB	ppm		0.062	0.1	
			CCV	ppm	5.000	102 %	90-110	
Calcium	200.7	(VI 1643927-006)	MS	mg/L	12.00	99.9 %	75-125	
			MSD	mg/L	12.00	96.9 %	75-125	
			MSRPD	mg/L	4000	2.0%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	25.00	99.5 %	90-110	
			CCB	ppm		0.02	1	
			CCV	ppm	25.00	99.2 %	90-110	
			CCB	ppm		0.02	1	
			CCV	ppm	25.00	98.3 %	90-110	
Copper	200.7	(VI 1643927-006)	MS	ug/L	800.0	105 %	75-125	
			MSD	ug/L	800.0	100 %	75-125	
			MSRPD	ug/L	4000	4.9%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	98.2 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	102 %	90-110	
Iron	200.7	(VI 1643927-006)	MS	ug/L	4000	94.5 %	75-125	
			MSD	ug/L	4000	95.6 %	75-125	
			MSRPD	ug/L	4000	0.9%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	5.000	99.6 %	90-110	
			CCB	ppm		0.0079	0.03	
			CCV	ppm	5.000	99.5 %	90-110	
			CCB	ppm		0.0081	0.03	
			CCV	ppm	5.000	103 %	90-110	
Magnesium	200.7	(VI 1643927-006)	MS	mg/L	12.00	103 %	75-125	
			MSD	mg/L	12.00	98.1 %	75-125	
			MSRPD	mg/L	4000	4.1%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.004	1	
			CCV	ppm	25.00	98.1 %	90-110	
			CCB	ppm		0.008	1	
			CCV	ppm	25.00	100 %	90-110	
Manganese	200.7	(VI 1643927-006)	MS	ug/L	800.0	106 %	75-125	
			MSD	ug/L	800.0	102 %	75-125	
			MSRPD	ug/L	4000	4.6%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	1.000	102 %	90-110	
			CCB	ppm		0.0001	0.01	
			CCV	ppm	1.000	100 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	101 %	90-110	
Potassium	200.7		CCB	ppm		0.0002	0.01	
			MS	mg/L	12.00	103 %	75-125	

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Metals								
Potassium	200.7	(VI 1643927-006)	MSD	mg/L	12.00	98.7 %	75-125	
			MSRPD	mg/L	4000	3.9%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	25.00	99.1 %	90-110	
			CCB	ppm		-0.08	1	
			CCV	ppm	25.00	95.3 %	90-110	
			CCB	ppm		0.04	1	
			CCV	ppm	25.00	98.8 %	90-110	
			CCB	ppm		-0.14	1	
Sodium	200.7	(VI 1643927-006)	MS	mg/L	12.00	102 %	75-125	
			MSD	mg/L	12.00	97.6 %	75-125	
			MSRPD	mg/L	4000	3.9%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.46	1	
			CCV	ppm	25.00	96.5 %	90-110	
			CCB	ppm		0.57	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.46	1	
Zinc	200.7	(VI 1643927-006)	MS	ug/L	800.0	106 %	75-125	
			MSD	ug/L	800.0	102 %	75-125	
			MSRPD	ug/L	4000	3.4%	≤20.0	
	200.7	09/24/16:213893AC	CCV	ppm	1.000	100 %	90-110	
			CCB	ppm		-0.0007	0.02	
			CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		-0.0005	0.02	
			CCV	ppm	1.000	98.9 %	90-110	
			CCB	ppm		-0.0004	0.02	
Aluminum	200.8	10/04/16:214508AC	ICV	ppb	120.0	94.8 %	90-110	
			ICB	ppb		0.2	10	
			CCV	ppb	120.0	98.0 %	90-110	
			CCB	ppb		0.4	10	
			CCV	ppb	120.0	98.9 %	90-110	
			CCB	ppb		-0.04	10	
Antimony	200.8	10/04/16:214508AC	ICV	ppb	120.0	95.6 %	90-110	
			ICB	ppb		0.08	1	
			CCV	ppb	120.0	98.4 %	90-110	
			CCB	ppb		0.33	1	
			CCV	ppb	120.0	97.5 %	90-110	
			CCB	ppb		0.10	1	
Arsenic	200.8	10/04/16:214508AC	ICV	ppb	120.0	101 %	90-110	
			ICB	ppb		0.02	2	
			CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.15	2	
			CCV	ppb	120.0	107 %	90-110	
			CCB	ppb		0.07	2	
Barium	200.8	10/04/16:214508AC	ICV	ppb	120.0	104 %	90-110	
			ICB	ppb		0.12	1	
			CCV	ppb	120.0	107 %	90-110	
			CCB	ppb		0.19	1	
			CCV	ppb	120.0	106 %	90-110	
			CCB	ppb		0.07	1	
Beryllium	200.8	10/04/16:214508AC	ICV	ppb	120.0	91.2 %	90-110	
			ICB	ppb		0.029	0.2	
			CCV	ppb	120.0	95.1 %	90-110	
			CCB	ppb		0.069	0.2	

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Metals								
Beryllium	200.8	10/04/16:214508AC	CCV CCB	ppb ppb	120.0	98.4 % 0.003	90-110 0.2	
Cadmium	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0 120.0	101 % 0.051 106 % 0.107 106 % 0.043	90-110 0.2 90-110 0.2 90-110 0.2	
Chromium	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0 120.0	98.3 % 0.09 101 % 0.21 102 % 0.15	90-110 1 90-110 1 90-110 1	
Copper	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0 120.0	100 % 0.068 101 % -0.028 103 % -0.077	90-110 0.5 90-110 0.5 90-110 0.5	
Lead	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0 120.0	100 % 0.041 104 % 0.090 105 % 0.031	90-110 0.5 90-110 0.5 90-110 0.5	
Nickel	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0 120.0	99.4 % 0.03 101 % 0.07 104 % -0.02	90-110 1 90-110 1 90-110 1	
Selenium	200.8	10/04/16:214508AC	ICV ICB CCV CCB	ppb ppb ppb ppb	120.0 120.0	102 % -0.07 110 % 0.26	90-110 1 90-110 1	
	200.8	10/05/16:214575AC	ICV ICB CCV CCB	ppb ppb ppb ppb	120.0 120.0	102 % 0.09 103 % -0.15	90-110 1 90-110 1	
Silver	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0 120.0	99.9 % 0.0270 103 % 0.0970 104 % 0.0320	90-110 0.25 90-110 0.25 90-110 0.25	
Thallium	200.8	10/04/16:214508AC	ICV ICB CCV CCB CCV CCB	ppb ppb ppb ppb ppb ppb	120.0 120.0 120.0 120.0	98.2 % 0.054 102 % 0.114 103 % 0.051	90-110 0.2 90-110 0.2 90-110 0.2	
Mercury	245.1	10/04/16:211963ac	Blank LCS	ug/L ug/L	0.2000	ND 104 %	<0.02 85-115	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Mercury	245.1	(SP 1611656-001)	MS MSD MSRPD	ug/L ug/L ug/L	0.2000 0.2000 0.2000	92.9 % 90.1 % 2.6%	75-125 75-125 ≤20	
	245.1	10/05/16:214518AC	CCV CCB CCV CCB	ppt ppt ppt ppt	200.0 200.0	101 % -7.2 102 % -7.5	90-110 20 90-110 20	
Aluminum	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	102 %	85-115	
			MS	ug/L	40.00	111 %	75-125	
			MSD	ug/L	40.00	98.9 %	75-125	
			MSRPD	ug/L	40.00	9.3%	≤20.0	
			PDS	ug/L	40.00	122 %	75-125	
Antimony	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	102 %	85-115	
			MS	ug/L	40.00	106 %	75-125	
			MSD	ug/L	40.00	106 %	75-125	
			MSRPD	ug/L	40.00	0.2%	≤20.0	
			PDS	ug/L	40.00	113 %	75-125	
Arsenic	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	100 %	85-115	
			MS	ug/L	40.00	106 %	75-125	
			MSD	ug/L	40.00	102 %	75-125	
			MSRPD	ug/L	40.00	3.4%	≤20	
			PDS	ug/L	40.00	108 %	75-125	
Barium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	111 %	85-115	
			MS	ug/L	40.00	118 %	75-125	
			MSD	ug/L	40.00	135 %	75-125	435
			MSRPD	ug/L	40.00	7.0%	≤20.0	
			PDS	ug/L	40.00	136 %	75-125	430
Beryllium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	91.2 %	85-115	
			MS	ug/L	40.00	91.4 %	75-125	
			MSD	ug/L	40.00	88.6 %	75-125	
			MSRPD	ug/L	40.00	3.1%	≤20.0	
			PDS	ug/L	40.00	93.6 %	75-125	
Cadmium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	103 %	85-115	
			MS	ug/L	40.00	107 %	75-125	
			MSD	ug/L	40.00	107 %	75-125	
			MSRPD	ug/L	40.00	0.4%	≤20	
			PDS	ug/L	40.00	113 %	75-125	
Chromium	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	104 %	85-115	
			MS	ug/L	40.00	102 %	75-125	
			MSD	ug/L	40.00	99.1 %	75-125	
			MSRPD	ug/L	40.00	3.1%	≤20	
			PDS	ug/L	40.00	106 %	75-125	
Copper	3010	10/04/16:211956amb (SP 1611294-006)	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	105 %	85-115	
			MS	ug/L	40.00	101 %	75-125	
			MSD	ug/L	40.00	97.0 %	75-125	
			MSRPD	ug/L	40.00	3.8%	≤20.0	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Copper	3010	10/04/16:211956amb	PDS	ug/L	40.00	103 %	75-125	
Lead	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 107 % 108 % 108 % 0.6% 115 %	<0.2 85-115 75-125 75-125 ≤20.0 75-125	
Nickel	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 105 % 101 % 101 % 0.7% 105 %	<1 85-115 75-125 75-125 ≤20 75-125	
Selenium	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 96.9 % 103 % 102 % 0.4% 106 %	<2 80-120 75-125 75-125 ≤20 75-125	
Silver	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 105 % 103 % 102 % 1.4% 109 %	<0.25 85-115 75-125 75-125 ≤20.0 75-125	
Thallium	3010	10/04/16:211956amb (SP 1611294-006)	Blank LCS MS MSD MSRPD PDS	ug/L ug/L ug/L ug/L ug/L ug/L	 40.00 40.00 40.00 40.00 40.00	ND 104 % 106 % 105 % 0.4% 113 %	<0.2 85-115 75-125 75-125 ≤20.0 75-125	
Wet Chem								
Oil and Grease	1664A	10/06/16:212024AMM	Blank LCS BS BSD BSRPD	mg/L mg/L mg/L mg/L mg/L	 44.89 44.89 44.89 44.89	ND 82.9 % 78.7 % 83.9 % 6.4%	<3 78-114 78-114 78-114 ≤18	
Color	2120B	(SP 1611294-006)	Dup	units		0.0	5	
	2120B	09/23/16:214268jmg	CCB	units		0.00	5.0	
			CCV	units	10.00	100 %	90-110	
Turbidity	2130B	(SP 1611199-002)	Dup	NTU		2.5%	20	
	2130B	09/23/16:213889JBA	CCV	NTU	10.00	105 %	90-110	
			CCB	NTU		0.092	0.1	
			CCV	NTU	10.00	105 %	90-110	
			CCB	NTU		0.085	0.1	
Odor	2150B	(SP 1611294-006)	Dup	TON		0.0	1	
Chromium VI	218.6	09/30/16:211954MCA (CC 1683416-001)	Blank LCS MS MSD MSRPD	ug/L ug/L ug/L ug/L ug/L	 2.000 2.000 2.000 2.000	ND 104 % 107 % 66.0 % 4.6%	<0.1 90-110 75-125 ≤¼ ≤20	
	218.6	09/30/16:214421MCA	CCB CCV CCB	ppb ppb ppb	 5.000 	0.063 102 % 0.064	0.1 95-105 0.1	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chromium VI	218.6	09/30/16:214421MCA	CCV	ppb	5.000	102 %	95-105	
Alkalinity (as CaCO3)	2320B	(CH 1678271-001) (CC 1683299-001)	Dup Dup	mg/L mg/L		9.8% 18.3%	10 10	440
	2320B	09/23/16:213890AMB	CCV CCV	mg/L mg/L	234.9 234.9	95.0 % 93.0 %	90-110 90-110	
Bicarbonate	2320B	(CH 1678271-001) (CC 1683299-001)	Dup Dup	mg/L mg/L		9.9% 18.3%	10 10	440
Carbonate	2320B	(CH 1678271-001) (CC 1683299-001)	Dup Dup	mg/L mg/L		0.0 0.0	10 10	
Hydroxide	2320B	(CH 1678271-001) (CC 1683299-001)	Dup Dup	mg/L mg/L		0.0 0.0	10 10	
Conductivity	2510B	09/23/16:213844JMG	ICB	umhos/cm		0.07	1	
			CCV	umhos/cm	1000	101 %	95-105	
			CCV	umhos/cm	1000	101 %	95-105	
E. C.	2510B	09/23/16:211472jmg (SP 1611290-006)	Blank Dup	umhos/cm umhos/cm		ND 0.2%	<1 5	
Total Dissolved Solids (TFR)	2540CE	09/26/16:211570CTL (SP 1611196-001)	Blank LCS Dup	mg/L mg/L mg/L	996.9	ND 99.3 % 1.5%	<20 90-110 5	
Solids, Suspended	2540D	09/27/16:211589jba (VI 1644035-001)	Blank	mg/L		ND	<1	
			LCS	mg/L	50.10	83.8 %	61-112	
			LCS Dup	mg/L mg/L	50.10	75.8 % 7.6%	61-112 25	
Chloride	300.0	(STK1651973-002) (SP 1611296-003)	MS	mg/L	50.00	92.5 %	85-121	
			MSD	mg/L	50.00	92.6 %	85-121	
			MSRPD	mg/L	10.00	0.1%	≤19	
			Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	105 %	90-110	
			MS	mg/L	50.00	96.7 %	85-121	
	300.0	09/23/16:214031MCA	MSD	mg/L	50.00	96.8 %	85-121	
			MSRPD	mg/L	10.00	0.06%	≤19	
			ICB	mg/L		0.00	1	
			ICV	mg/L	25.00	106 %	90-110	
			CCB	mg/L		0.00	1	
			CCV	mg/L	25.00	106 %	90-110	
Fluoride	300.0	(STK1651973-002) (SP 1611296-003)	CCB	mg/L		0.18	1	
			CCV	mg/L	25.00	106 %	90-110	
	300.0	09/23/16:214031MCA	ICB	mg/L		0.00	0.1	
			ICV	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	(STK1651973-002)	MS	mg/L	40.00	69.8 %	85-119	435
			MSD	mg/L	40.00	69.8 %	85-119	435
			MSRPD	mg/L	10.00	0.05%	≤19	
			Blank	mg/L		ND	<0.5	
			LCS	mg/L	20.00	105 %	90-110	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem Nitrate	300.0	(SP 1611296-003)	MS	mg/L	40.00	94.3 %	85-119	
			MSD	mg/L	40.00	94.4 %	85-119	
			MSRPD	mg/L	10.00	0.08%	<19	
	300.0	09/23/16:214031MCA	ICB	mg/L		0.000	0.5	
			ICV	mg/L	20.00	106 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	106 %	90-110	
Nitrite	300.0	(STK1651973-002)	MS	mg/L	30.00	95.5 %	74-126	
			MSD	mg/L	30.00	95.7 %	74-126	
			MSRPD	mg/L	10.00	0.2%	≤20	
			Blank	mg/L		ND	<0.5	
	300.0	(SP 1611296-003)	LCS	mg/L	15.00	108 %	90-110	
			MS	mg/L	30.00	95.9 %	74-126	
			MSD	mg/L	30.00	96.1 %	74-126	
			MSRPD	mg/L	10.00	0.3%	≤20	
	300.0	09/23/16:214031MCA	ICB	mg/L		0.000	0.5	
			ICV	mg/L	15.00	106 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	15.00	106 %	90-110	
Sulfate	300.0	(STK1651973-002)	MS	mg/L	100.0	93.4 %	82-124	
			MSD	mg/L	100.0	93.6 %	82-124	
			MSRPD	mg/L	10.00	0.2%	≤23	
			Blank	mg/L		ND	<0.5	
			LCS	mg/L	50.00	106 %	90-110	
			MS	mg/L	100.0	97.4 %	82-124	
	300.0	(SP 1611296-003)	MSD	mg/L	100.0	97.5 %	82-124	
			MSRPD	mg/L	10.00	0.1%	≤23	
		09/23/16:214031MCA	ICB	mg/L		0.078	0.5	
			ICV	mg/L	50.00	108 %	90-110	
			CCB	mg/L		0.082	0.5	
			CCV	mg/L	50.00	107 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	50.00	107 %	90-110	
Perchlorate	314.0	10/07/16:212135SBL	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	96.7 %	85-115	
			MS	ug/L	25.00	104 %	80-120	
			MSD	ug/L	25.00	114 %	80-120	
	314.0	(SP 1611307-001)	MSRPD	ug/L	25.00	9.9%	≤15	
	314.0	10/07/16:214738SBL	ICB	ppb		0.00	1.0	
			ICV	ppb	2.000	112 %	85-115	
			CCB	ppb		0.00	1.0	
			CCV	ppb	10.00	90.6 %	85-115	
Nitrogen, Total Kjeldahl	351.2	09/26/16:211529jmg (CH 1678082-005)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	74.0 %	73-124	
			MS	mg/L	12.00	72.4 %	54-136	
			MSD	mg/L	12.00	69.2 %	54-136	
			MSRPD	mg/L	12.00	4.5%	≤27	
Chlorine	4500CIG	09/22/16:213837SJN	CCV	mg/L	1.012	96.7 %	90-110	
			CCB	mg/L		-0.014	0.1	
			CCV	mg/L	1.012	96.3 %	90-110	
			CCB	mg/L		-0.014	0.1	
Chlorine, Residual	4500CIG	(SP 1611199-002)	Dup	mg/L		0.0081	0.1	
Cyanide	4500CNCE	10/02/16:214314AMM	CCV	mg/L	0.1000	98.5 %	90-110	
			CCB	mg/L		0.00008	0.004	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Cyanide	4500CNCE	10/02/16:214314AMM	CCV CCB	mg/L mg/L	0.1000	98.2 % 0.00008	90-110 0.004	
Cyanide, Total	4500CNCE	10/02/16:211864AMM (CC 1683328-001)	Blank LCS LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L	 0.1000 0.4000 0.05000 0.05000 0.05000	ND 101 % 95.9 % 91.8 % 93.7 % 2.1 %	<0.004 90-110 90-110 26-226 26-226 ≤36	
pH	4500-H B	(VI 1643886-001)	Dup	units		0.6%	4.80	
	4500HB	09/23/16:213872JMG	CCV CCV	units units	8.000 8.000	99.8 % 99.6 %	95-105 95-105	
Ammonia Nitrogen	4500NH3G	(SP 1611347-002)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	121 % 118 % 2.3 %	70-130 70-130 ≤20	
	4500NH3G	09/29/16:214161AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	2.000 2.000 2.000 2.000	0.066 105 % 0.063 107 %	0.2 90-110 0.2 90-110	
	4500NH3G	(CC 1683387-001)	MS MSD MSRPD	mg/L mg/L mg/L	2.000 2.000 2.000	117 % 120 % 2.4 %	70-130 70-130 ≤20	
	4500NH3G	09/30/16:214218AMB	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	2.000 2.000 2.000 2.000	-0.058 107 % -0.098 108 %	0.2 90-110 0.2 90-110	
	4500NO3F	(SP 1611294-016)	MS MSD MSRPD	mg/L mg/L mg/L	10.00 10.00 10.00	104 % 104 % 0.4 %	5-285 5-285 ≤30.4	
	4500NO3F	09/23/16:213928JDD	ICB ICV CCB CCV	mg/L mg/L mg/L mg/L	11.27 11.27 11.27 11.27	0.054 102 % 0.000 98.3 %	0.1 90-110 0.1 90-110	
	4500-P B	09/30/16:211822sjn (CC 1683330-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	 0.5000 0.2500 0.2500 0.2500	ND 94.4 % -1280 % -1320 % 1.7 %	<0.1 90-116 <¼ <¼ ≤13.2	
	4500PE	10/01/16:214259SJN	CCB CCV CCB CCV	mg/L mg/L mg/L mg/L	0.5000 0.5000 0.5000 0.5000	-0.014 92.2 % -0.011 94.4 %	0.1 90-110 0.1 90-110	
BOD	5210B	09/23/16:211475KMM (SP 1611289-001) (SP 1611289-001) (SP 1611289-001)	RgBlk LCS Dup Dup Dup	mg/L mg/L mg/L mg/L mg/L	 198.0 	0.29 103 % 2.1 % 5.6 % 32.0 %	2 84.6-115 15.9 15.9 15.9	
	5210B	09/28/16:214193AMM	CCV CCV	mg/L mg/L	1.000 1.000	102 % 102 %	80-120 80-120	440
MBAS	5540C	09/23/16:213888JBA	CCB	mg/L	1.000	-0.0549	0.25	
			CCV	mg/L	1.000	99.9 %	90-110	
			CCB	mg/L	1.000	-0.0549	0.25	
			CCV	mg/L	1.000	99.9 %	90-110	
			CCB	mg/L	1.000	-0.0549	0.25	
			CCV	mg/L	1.000	101 %	90-110	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
MBAS Extraction	5540C	09/23/16:211523jba	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	102 %	86-114	
			BS	mg/L	0.5000	102 %	86-114	
			BSD	mg/L	0.5000	102 %	86-114	
			BSRPD	mg/L	0.5000	0.0	≤0.1	
Nitrogen, Total Kjeldahl	EPA351.2	09/27/16:213984AMB	CCB	mg/L		-0.352	0.5	
			CCV	mg/L	5.000	96.6 %	90-110	
			CCB	mg/L		-0.382	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 analyte. 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								
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.							
440	: Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.							

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Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	10/06/16:214751caa	CCV CCB	cpm cpm	8566	51.0 % 0.0800	43 - 53 0.19	
Beta	900.0	10/06/16:214751caa	CCV CCB	cpm cpm	8566	104 % 0.3800	93 - 114 0.49	
Gross Alpha	900.0	10/05/16:212000ELC (SP 1611471-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 107.4 107.4 107.4 107.4	0.80 104 % 190 % 179 % 6.1%	3 75-125 60-140 60-140 ≤30	435 435
Gross Beta	900.0	10/05/16:212000ELC (SP 1611471-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 74.25 74.25 74.25 107.4	0.05 104 % 78.5 % 87.8 % 10.8%	4 75-125 80-130 80-130 ≤30	435
Alpha	903.0	10/04/16:214423caa	CCV CCB	cpm cpm	8569	42.4 % 0.100	38 - 47 0.19	
Total Alpha Radium (226)	903.0	09/28/16:211720emv	RgBlk LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 21.86 21.86 21.86 21.86	0.01 76.9 % 73.5 % 72.6 % 1.3%	2 52-107 43-111 43-111 ≤35.5	
Beta	905.0	10/05/16:214572caa	CCV CCB	cpm cpm	8952	99.6 % 0.4400	89 - 109 0.52	
Total Strontium	905.0	10/03/16:211855emv	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 40.56 40.55 40.55 40.55	0.69 66.6 % 83.4 % 78.4 % 6.2%	2 53-133 75-125 75-125 ≤20	
Tritium	906.0	09/26/16:211527caa	Blank LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 1560 1560 1560 1560	-5 112 % 121 % 122 % 0.8%	<300 75-125 75-125 75-125 ≤25	
	906.0	09/27/16:214017caa	CCV CCB	pCi/L pCi/L	30040	108 % 2	90-110 500	
Alpha	908.0	09/30/16:214335caa	CCV CCB	cpm cpm	8571	42.9 % 0.0600	43 - 52 0.12	
Uranium	908.0	09/29/16:211728caa	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 20.97 20.97 20.97 20.97	0.23 54.3 % 95.2 % 96.1 % 0.9%	1 54-105 75-125 75-125 ≤20	
Beta	Ra - 05	10/05/16:214574emv	CCV CCB	cpm cpm	8952	100 % 0.3800	89 - 109 0.49	
	Ra - 05	10/05/16:214576caa	CCV CCB	cpm cpm	8952	100 % 0.4400	89 - 108 0.55	
Ra 228	Ra - 05	10/03/16:211719emv	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 77.77 77.77 77.77 77.77	0.10 52.3 % 110 % 110 % 0.8%	3 27-59 75-125 75-125 ≤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.								

October 13, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611294
Customer : 2-25173

Quality Control - Radio

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

October 13, 2016

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

Subject: Subcontract Analysis for FGL Lab No. SP 1611294

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: 2016-10-13

Enclosure



October 04, 2016

Vista Work Order No. 1601221

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 23, 2016. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1611294 - (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,

A handwritten signature in black ink that reads "Karen Lopez" followed by a small "for" in a cursive script.

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. 1601221**Case Narrative****Sample Condition on Receipt:**

Two 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.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1601221-01	MCWP-04D	22-Sep-16 11:15	23-Sep-16 09:52	Amber Glass NM Bottle, 1L
1601221-02	MCWP-07D	22-Sep-16 08:30	23-Sep-16 09:52	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank						EPA Method 1613B			
Matrix: Aqueous Sample Size: 1.00 L			QC Batch: B6I0173 Date Extracted: 29-Sep-2016 8:22			Lab Sample: B6I0173-BLK1 Date Analyzed : 30-Sep-16 19:21 Column: ZB-5MS Analyst: DB			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	5.00	1.08		IS 13C-2,3,7,8-TCDD	78.5	31 - 137		
					CRS 37Cl-2,3,7,8-TCDD	84.1	42 - 164		

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: OPR					EPA Method 1613B			
Matrix: Aqueous		QC Batch: B6I0173			Lab Sample: B6I0173-BS1			
Sample Size: 1.00 L		Date Extracted: 29-Sep-2016 8:22			Date Analyzed: 30-Sep-16 17:45 Column: ZB-5MS Analyst: DB			
Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard		%R	LCL-UCL
2,3,7,8-TCDD	195	200	97.4	73 - 146	IS	13C-2,3,7,8-TCDD	87.2	25 - 141
					CRS	37Cl-2,3,7,8-TCDD	86.9	37 - 158

LCL-UCL - Lower control limit - upper control limit

Sample ID: MCWP-04D					EPA Method 1613B			
Client Data Name: FGL Environmental, Inc. Project: SP 1611294 - (2-25173) Date Collected: 22-Sep-2016 11:15			Sample Data Matrix: Monitoring Well Sample Size: 1.00 L		Laboratory Data Lab Sample: 1601221-01 Date Received: 23-Sep-2016 9:52 QC Batch: B6I0173 Date Extracted: 29-Sep-2016 8:22 Date Analyzed : 01-Oct-16 03:18 Column: ZB-5MS Analyst: DB			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	4.98	1.08		IS 13C-2,3,7,8-TCDD	83.8	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	90.8	42 - 164	

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Sample ID: MCWP-07D					EPA Method 1613B			
Client Data Name: FGL Environmental, Inc. Project: SP 1611294 - (2-25173) Date Collected: 22-Sep-2016 8:30			Sample Data Matrix: Monitoring Well Sample Size: 1.02 L		Laboratory Data Lab Sample: 1601221-02 Date Received: 23-Sep-2016 9:52 QC Batch: B6I0173 Date Extracted: 29-Sep-2016 8:22 Date Analyzed : 01-Oct-16 04:05 Column: ZB-5MS Analyst: DB			
Analyte	Conc. (pg/L)	RL	MDL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	4.88	1.08		IS 13C-2,3,7,8-TCDD	55.6	31 - 137	
					CRS 37Cl-2,3,7,8-TCDD	60.6	42 - 164	
MDL - Method detection limit					LCL-UCL- Lower control limit - upper control limit			
RL - Reporting limit								

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.
*	See Cover Letter
Conc.	Concentration
NA	Not applicable
ND	Not Detected
TEQ	Toxic Equivalency

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2014022
Nevada Division of Environmental Protection	CA004132015-1
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-004
Pennsylvania Department of Environmental Protection	012
South Carolina Department of Health	87002001
Texas Commission on Environmental Quality	T104704189-15-6
Virginia Department of General Services	7923
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

Client: Fruit Growers Laboratory, Inc. Address: FGL Environmental, Inc. 853 Corporation St. Santa Paula, CA 93060-3005 Phone: _____ Fax: _____ Contact Person: _____ Project Name: SP 1611294 - (2-25173) Purchase Order Number: _____				Map Ref: _____																							
				1601221 4.5°C																							
Sampler(s) Rincon Compositor Setup Date: ____/____/____ Time: ____/____				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)																							
Lab Number: _____																											
Samp Num	Location Description	Date Sampled	Time Sampled																								
5	MCWP-04D	09/22/16	11:15	G	MW																						
6	MCWP-07D	09/22/16	08:30	G	MW																						
Remarks:				Relinquished				Date:				Time:				Relinquished				Date:				Time:			
				 9/22/16 17:30																							
				Received By:				Date:				Time:				Received By:				Date:				Time:			
				Autrac																							

SAMPLE LOG-IN CHECKLIST



Vista Project #: 1601221 TAT Std

Samples Arrival:	Date/Time 09/23/16 0952		Initials: UPB		Location: WR-2	
					Shelf/Rack: NA	
Logged In:	Date/Time 9/23/16 1428		Initials: SR		Location: WR-2	
					Shelf/Rack: B2	
Delivered By:	FedEx	UPS	<u>On Trac</u>	DHL	Hand Delivered	Other
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice	None		
Temp °C: 4.8 (uncorrected)	Time: 1008		Thermometer ID: IR-1			
Temp °C: 4.5 (corrected)	Probe used: Yes ☐ No ☒					

		YES	NO	NA
Adequate Sample Volume Received? <u>1L per sample</u>		☒		
Holding Time Acceptable?		☒		
Shipping Container(s) Intact?		☒		
Shipping Custody Seals Intact?				☒
Shipping Documentation Present?		☒		
Airbill	Trk # <u>D10011012365955</u>	☒		
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 ₂ S ₂ O ₃ Trizma	Yes	<u>No</u>	NA
Shipping Container	Vista <u>Client</u> Retain <u>Return</u> Dispose			

Comments:

October 13, 2016

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

Subject: Subcontract Analysis for FGL Lab No. SP 1611294

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

- Subcontracted - Asbestos

Please note that this analysis was performed by EMSL Analytical, Inc. dba LA Testing

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre  Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2016-10-13

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: 321620969
Customer ID: FGLE25
Customer PO:
Project ID:

Attn: Cindy Aguirre
FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/22/2016
Received: 09/23/2016
Analyzed: 10/07/2016

Proj: SP 1611294 - (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 (mm ²)	Area Analyzed (mm ²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration MFL (million fibers per liter)	Confidence Limits
5 321620969-0001	9/23/2016 10:20 AM	100	1288	0.0650	None Detected	ND	0.20	<0.20	0.00 - 0.73
6 321620969-0002	9/23/2016 10:20 AM	100	1288	0.0650	None Detected	ND	0.20	<0.20	0.00 - 0.73

Analyst(s)

Sherrie Ahmad (2)


Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 10/07/2016 12:12:22

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10µm. 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

Page 1 of 1

October 5, 2016

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

Lab ID : SP 1611348
 Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 5 pages divided into 3 sections:

Case Narrative	(2 pages) : An overview of the work performed at FGL.
Sample Results	(2 pages) : 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
TY-MW-1	09/22/2016	09/23/2016	SP 1611348-008	MW
MCWP-MW05	09/22/2016	09/23/2016	SP 1611348-015	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 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

2540CE	09/26/2016:211570 All preparation quality controls are within established criteria
4500CNCE	10/02/2016:214314 All analysis quality controls are within established criteria
	10/02/2016:211864 All preparation quality controls are within established criteria
4500NO3F	09/23/2016:213928 All analysis quality controls are within established criteria
	09/23/2016:211483 All preparation quality controls are within established criteria

October 5, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611348
Customer : 2-25173

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: 2016-10-06

October 5, 2016

Lab ID : SP 1611348-008

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 22, 2016-16:30

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Monitoring Well

Description : TY-MW-1

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
Wet Chemistry ^{P:110}												
Cyanide, Total	ND	0.01	0.0023	mg/L	1	U	4500CNCE	211864	10/02/16 14:30	4500CNCE	214314-UV207	10/02/16-17:03AMM
DQF Flags Definition: U Constituent results were non-detect.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: NaOH

October 5, 2016

Lab ID : SP 1611348-015

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 22, 2016-15:00

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Monitoring Well

Description : MCWP-MW05

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
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	2.20	0.1	0.032	mg/L	1		4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:01JDD
Total Dissolved Solids (TFR)	1450	20	5.8	mg/L	1		2540CE	211570	09/26/16 15:48	2540C	213989-WT219	09/27/16-10:18CTL

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: NaOH

October 5, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611348
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Dissolved Solids (TFR)	2540CE	09/26/16:211570CTL (SP 1611196-001)	Blank LCS Dup	mg/L mg/L mg/L	996.9	ND 99.3 % 1.5%	<20 90-110 5	
Cyanide	4500CNCE	10/02/16:214314AMM	CCV CCB CCV CCB	mg/L mg/L mg/L mg/L	0.1000 0.1000	98.5 % 0.00008 98.2 % 0.00008	90-110 0.004 90-110 0.004	
Cyanide, Total	4500CNCE	10/02/16:211864AMM (CC 1683328-001)	Blank LCS LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L	0.1000 0.4000 0.05000 0.05000 0.05000	ND 101 % 95.9 % 91.8 % 93.7 % 2.1%	<0.004 90-110 90-110 26-226 26-226 ≤36	
Nitrate + Nitrite as N	4500NO3F	(CH 1678082-001)	MS	mg/L	10.00	107 %	5-285	
			MSD	mg/L	10.00	106 %	5-285	
			MSRPD	mg/L	10.00	0.2%	≤30.4	
	4500NO3F	09/23/16:213928JDD	CCB	mg/L		0.047	0.1	
			CCV	mg/L	11.27	97.0 %	90-110	
CCB			mg/L		0.070	0.1		
CCV	mg/L	11.27	98.0 %	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 analyte. 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.								

October 4, 2016

Rincon Consultants, Inc.

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

SP 1611347:1-10 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 1611347-001	N-001	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 14:15	09/23/2016 16:33 LMM	09/27/2016 LMM
2	SP 1611347-002	N-002	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 14:25	09/23/2016 16:36 LMM	09/27/2016 LMM
3	SP 1611347-003	N-003	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 12:30	09/23/2016 16:39 LMM	09/27/2016 LMM
4	SP 1611347-004	N-004	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 14:45	09/23/2016 16:42 LMM	09/27/2016 LMM
5	SP 1611347-005	L-001	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 11:45	09/23/2016 16:45 LMM	09/27/2016 LMM
6	SP 1611347-006	L-002	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 13:35	09/23/2016 16:47 LMM	09/27/2016 LMM
7	SP 1611347-007	L-003	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 12:10	09/23/2016 16:50 LMM	09/27/2016 LMM
8	SP 1611347-008	L-004	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 13:10	09/23/2016 16:52 LMM	09/27/2016 LMM
9	SP 1611347-009	L-005	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 12:25	09/23/2016 16:35 LMM	09/26/2016 LMM
10	SP 1611347-010	L-006	Source-Other	Rincon Field	Rincon Consultants I	09/23/2016 13:20	09/23/2016 16:37 RV	09/27/2016 RV

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	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
2	N-002	---	---	SM 9221B	MPN/100ml	240 PRESENT	6.8 PRESENT	---	N/R			
3	N-003	---	---	SM 9221B	MPN/100ml	2 PRESENT	2 PRESENT	---	N/R			
4	N-004	---	---	SM 9221B	MPN/100ml	4.5 PRESENT	<1.8 ABSENT	---	N/R			
5	L-001	---	---	SM 9221B	MPN/100ml	540 PRESENT	79 PRESENT	---	N/R			
6	L-002	---	---	SM 9221B	MPN/100ml	14 PRESENT	4.5 PRESENT	---	N/R			
7	L-003	---	---	SM 9221B	MPN/100ml	23 PRESENT	4.5 PRESENT	---	N/R			
8	L-004	---	---	SM 9221B	MPN/100ml	17 PRESENT	4.5 PRESENT	---	N/R			
9	L-005	---	---	SM 9221B	MPN/100ml	7.8 PRESENT	7.8 PRESENT	---	N/R			
10	L-006	---	---	SM 9221B	MPN/100ml	7.8 PRESENT	7.8 PRESENT	---	N/R			

N/R Not Required. MPN Most Probable Number A/P Absence/Presence

‡ Client Notification details.

October 4, 2016

SP 1611347:1-10 **COLIFORM BACTERIA ANALYSIS**

Customer ID : 2-25173

Rincon Consultants, Inc.

The sample(s) listed below failed drinking water standards for Total and/or Fecal Coliform as listed:

N-002 Total Coliform - Failure, Fecal Coliform - Failure.

N-003 Total Coliform - Failure, Fecal Coliform - Failure.

N-004 Total Coliform - Failure.

L-001 Total Coliform - Failure, Fecal Coliform - Failure.

L-002 Total Coliform - Failure, Fecal Coliform - Failure.

L-003 Total Coliform - Failure, Fecal Coliform - Failure.

L-004 Total Coliform - Failure, Fecal Coliform - Failure.

L-005 Total Coliform - Failure, Fecal Coliform - Failure.

L-006 Total Coliform - Failure, Fecal Coliform - Failure.

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: 2008-12-15

October 12, 2016

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

Lab ID : SP 1611347
 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	09/23/2016	09/23/2016	SP 1611347-001	SW
N-002	09/23/2016	09/23/2016	SP 1611347-002	SW
N-003	09/23/2016	09/23/2016	SP 1611347-003	SW
N-004	09/23/2016	09/23/2016	SP 1611347-004	SW
L-001	09/23/2016	09/23/2016	SP 1611347-005	SW
L-002	09/23/2016	09/23/2016	SP 1611347-006	SW
L-003	09/23/2016	09/23/2016	SP 1611347-007	SW
L-004	09/23/2016	09/23/2016	SP 1611347-008	SW
L-005	09/23/2016	09/23/2016	SP 1611347-009	SW
L-006	09/23/2016	09/23/2016	SP 1611347-010	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	09/28/2016:211664 All preparation quality controls are within established criteria
4500NH3G	09/29/2016:214161 All analysis quality controls are within established criteria
	09/29/2016:211726 All preparation quality controls are within established criteria
4500NO2F	09/23/2016:211492 All preparation quality controls are within established criteria

October 12, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611347
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO3F	09/23/2016:213921 All analysis quality controls are within established criteria
	09/23/2016:213928 All analysis quality controls are within established criteria
	09/23/2016:211483 All preparation quality controls are within established criteria
4500-P B	10/04/2016:211976 All preparation quality controls are within established criteria
4500PE	10/06/2016:214453 All analysis quality controls are within established criteria
EPA351.2	09/29/2016:214141 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: 2016-10-12

October 12, 2016

Lab ID : SP 1611347-001

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-14:15
 Sampled By : Rincon Field
 Received On : September 23, 2016-16:15
 Matrix : Surface Water

Description : N-001

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0500	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:14JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:10JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:40AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:40AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:34AMB
Phosphorus, Total	1.97	0.1	0.031	mg/L	1		4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:05SJM
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-002

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-14:25

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : N-002

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0500	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:16JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:12JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-06:55AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-06:55AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:35AMB
Phosphorus, Total	1.30	0.1	0.031	mg/L	1		4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:06SJM
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-003

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-12:30

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : N-003

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0600	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:18JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:14JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-08:07AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-08:07AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:36AMB
Phosphorus, Total	1.46	0.1	0.031	mg/L	1		4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:07SJM
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-004

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-14:45

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : N-004

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0600	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:20JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:16JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-08:40AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-08:40AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ub	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:37AMB
Phosphorus, Total	1.29	0.1	0.031	mg/L	1		4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:08SJN
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-005

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-11:45

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : L-001

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0900	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:26JDD
Nitrite Nitrogen	0.0120	0.1	0.011	mg/L	1	J	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:23JDD
Nitrogen, Organic	1.04	0.5	0.072	mg/L	1	b	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-08:37AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-08:37AMB
Kjeldahl Nitrogen	1.04	0.5	0.32	mg/L	1	b	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:38AMB
Phosphorus, Total	0.153	0.1	0.031	mg/L	1		4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:09SJN
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-006

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-13:35

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : L-002

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:29JDD
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:25JDD
Nitrogen, Organic	0.770	0.5	0.072	mg/L	1	Jb	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:54AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:54AMB
Kjeldahl Nitrogen	0.770	0.5	0.32	mg/L	1	Jb	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:39AMB
Phosphorus, Total	0.0474	0.1	0.031	mg/L	1	J	4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:10SJN
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-007

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-12:10

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : L-003

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0500	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:31JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:27JDD
Nitrogen, Organic	1.21	0.5	0.072	mg/L	1	b	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-08:30AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-08:30AMB
Kjeldahl Nitrogen	1.21	0.5	0.32	mg/L	1	b	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:41AMB
Phosphorus, Total	0.0918	0.1	0.031	mg/L	1	J	4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:11SJN
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-008

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-13:10

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : L-004

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:33JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:29JDD
Nitrogen, Organic	0.627	0.5	0.072	mg/L	1	Jb	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:26AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:26AMB
Kjeldahl Nitrogen	0.627	0.5	0.32	mg/L	1	Jb	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:42AMB
Phosphorus, Total	0.0946	0.1	0.031	mg/L	1	J	4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:12SJN
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-009

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-12:25

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : L-005

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0600	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:46JDD
Nitrite Nitrogen	0.0120	0.1	0.011	mg/L	1	J	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:42JDD
Nitrogen, Organic	0.426	0.5	0.072	mg/L	1	Jb	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:07AMB
Ammonia Nitrogen	0.104	0.2	0.072	mg/L	1	J	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-07:07AMB
Kjeldahl Nitrogen	0.530	0.5	0.32	mg/L	1	Jb	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:45AMB
Phosphorus, Total	0.0418	0.1	0.031	mg/L	1	J	4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:13SJN
DQF Flags Definition:												
b The Blank was detected above method MDL for constituent but less than the PQL												
J To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016

Lab ID : SP 1611347-010

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : September 23, 2016-13:20

Sampled By : Rincon Field

Received On : September 23, 2016-16:15

Matrix : Surface Water

Description : L-006

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry ^{P:1}												
Nitrate Nitrogen	0.0600	0.1	0.032	mg/L	1	J	4500NO3F	211483	09/23/16 15:00	4500NO3F	213928-FI207	09/23/16-18:48JDD
Nitrite Nitrogen	0.0120	0.1	0.011	mg/L	1	J	4500NO2F	211492	09/23/16 15:00	4500NO3F	213921-FI207	09/23/16-18:44JDD
Nitrogen, Organic	1.24	0.5	0.072	mg/L	1	b	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-06:46AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211726	09/29/16 04:45	4500NH3G	214161-FI207	09/29/16-06:46AMB
Kjeldahl Nitrogen	1.24	0.5	0.32	mg/L	1	b	351.2	211664	09/28/16 08:52	EPA351.2	214141-FI206	09/29/16-07:46AMB
Phosphorus, Total	0.0613	0.1	0.031	mg/L	1	J	4500-P B	211976	10/04/16 16:28	4500PE	214453-UV205	10/06/16-16:14SJN
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 To indicate that result is estimated in cases where result less than PQL; or estimated due to RPD exceedance.												

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: H2SO4 pH < 2

October 12, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611347
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	09/28/16:211664jmg (CC 1683310-003)	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	94.4 %	73-124	
			MS	mg/L	12.00	90.1 %	54-136	
			MSD	mg/L	12.00	86.9 %	54-136	
			MSRPD	mg/L	12.00	3.4%	≤27	
Ammonia Nitrogen	4500NH3G	(CC 1683369-001)	MS	mg/L	2.000	114 %	70-130	
			MSD	mg/L	2.000	105 %	70-130	
			MSRPD	mg/L	2.000	6.9%	≤20	
			MS	mg/L	2.000	121 %	70-130	
		(SP 1611347-002)	MSD	mg/L	2.000	118 %	70-130	
			MSRPD	mg/L	2.000	2.3%	≤20	
			MS	mg/L	2.000	113 %	70-130	
			MSD	mg/L	2.000	112 %	70-130	
	4500NH3G	09/29/16:214161AMB	MSRPD	mg/L	2.000	0.8%	≤20	
			CCB	mg/L		0.093	0.2	
			CCV	mg/L	2.000	109 %	90-110	
			CCB	mg/L		0.066	0.2	
			CCV	mg/L	2.000	105 %	90-110	
			CCB	mg/L		0.063	0.2	
			CCV	mg/L	2.000	107 %	90-110	
Nitrite as Nitrogen	4500NO2F	(CH 1678082-001)	CCB	mg/L		0.006	0.2	
			CCV	mg/L	2.000	107 %	90-110	
			CCB	mg/L		0.033	0.2	
		(SP 1611347-005)	CCV	mg/L	2.000	106 %	90-110	
			MS	mg/L	1.270	79.3 %	50-150	
			MSD	mg/L	1.270	78.7 %	50-150	
Nitrate + Nitrite as N	4500NO3F	(CH 1678082-001)	MSRPD	mg/L	1.270	0.8%	≤30	
			MS	mg/L	1.270	86.5 %	50-150	
			MSD	mg/L	1.270	85.7 %	50-150	
		(SP 1611347-005)	MSRPD	mg/L	1.270	0.9%	≤30	
			MS	mg/L	10.00	107 %	5-285	
			MSD	mg/L	10.00	106 %	5-285	
	4500NO3F	09/23/16:213928JDD	MSRPD	mg/L	10.00	0.2%	≤30.4	
			MS	mg/L	10.00	111 %	5-285	
			MSD	mg/L	10.00	111 %	5-285	
			MSRPD	mg/L	10.00	0.2%	≤30.4	
			CCB	mg/L		0.059	0.1	
			CCV	mg/L	11.27	98.0 %	90-110	
Nitrite as Nitrogen	4500NO3F	09/23/16:213921JDD	CCB	mg/L		0.037	0.1	
			CCV	mg/L	1.270	97.1 %	90-110	
			CCB	mg/L		0.00900	0.012	
			CCB	mg/L		0.0100	0.012	
			CCV	mg/L	1.270	97.2 %	90-110	
			CCB	mg/L		0.01100	0.012	
			CCV	mg/L	1.270	98.3 %	90-110	
			CCB	mg/L		0.00800	0.012	
Phosphorus	4500-P B	10/04/16:211976sjn (CC 1683409-001)	CCV	mg/L	1.270	97.1 %	90-110	
			Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	98.9 %	90-116	
			MS	mg/L	0.2500	-1590 %	<¼	
			MSD	mg/L	0.2500	-1500 %	<¼	
			MSRPD	mg/L	0.2500	3.8%	≤13.2	

October 12, 2016
Rincon Consultants, Inc.

Lab ID : SP 1611347
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Phosphorus	4500PE	10/06/16:214453SJN	CCB	mg/L		-0.011	0.1	
			CCV	mg/L	0.5000	101 %	90-110	
			CCB	mg/L		-0.016	0.1	
			CCV	mg/L	0.5000	96.7 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	09/29/16:214141AMB	CCB	mg/L		-0.139	0.5	
			CCV	mg/L	5.000	96.6 %	90-110	
			CCB	mg/L		-0.142	0.5	
			CCV	mg/L	5.000	90.4 %	90-110	
			CCB	mg/L		-0.061	0.5	
			CCV	mg/L	5.000	96.3 %	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 analyte. 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. <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.								

November 1, 2016

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

Subject: Subcontract Analyses for FGL Lab No. SP 1611125

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

- Sub Contracted-PPCP-EPA 1694M Hormones
- Sub Contracted-EPA 1625M NDMA

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

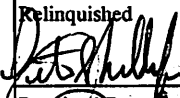
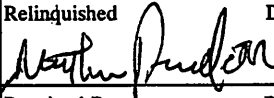
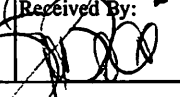
Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre

 Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2016-11-01

Enclosure

				4057:09/05/2016				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 - BL GWM - CECs Purchase Order Number: Quote Number: SP 20150526-01				Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(Ag W)	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:Caffeine, DEET, Sucralose Pharma Negative: Triclosan Order containers from Week 2x 1L Amber w/ Sodium Azide **Please include MDL Reporting** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)																	
Sampler(s) Rincon (field)																											
Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____:____																											
Lab Number: SP 1611125 2-25173																											
Samp Num	Location Description	Date Sampled	Time Sampled																								
1	SMBRP-9	9-20-16	0830	G	MW						2	2															
2	MCWP-MW04S			G	MW						2	2															
3	MCWP-MW07S	9-20-16	1110	G	MW						2	2															
4	SMBRP-12			G	MW						2	2															
5	MCWP-04D			G	MW						2	2															
6	MCWP-07D			G	MW						2	2															
7	MCWP-MW09			G	MW						2	2															
8	TY-MW-1			G	MW						2	2															
9	LAMW-5S	9-20-16	1000	G	MW						2	2															
Remarks:				Relinquished				Date:				Time:				Relinquished				Date:				Time:			
								9-20-16				14:00								9-20-16				15:42			
				Received By:				Date:				Time:				Received By:				Date:				Time:			
				9/20/16				15:34								9-20-16				15:42							

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

Subcontract to Weck 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 1611125 - (2-25173) Purchase Order Number:					Map Ref.																						
					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:Caffeine, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporting** Other(AGT) Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)																						
Sampler(s) Compositor Setup Date: ____/____/____ Time: ____/____																											
Lab Number:																											
Samp Num	Location Description	Date Sampled	Time Sampled																								
1	SMBRP-9	09/20/16	08:30	G	MW																						
3	MCWP-MW07S	09/20/16	11:10	G	MW																						
9	LAMW-5S	09/20/16	10:00	G	MW																						
Remarks:				Relinquished				Date:		Time:		Relinquished				Date:		Time:		Relinquished				Date:		Time:	
				Received By:				Date:		Time:		Received By:				Date:		Time:		Received By:				Date:		Time:	

Condition Upon Receipt (Attach to COC)

Sample Receipt at SP:

1. Number of ice chests/packages received: OTC
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
Temps: ROI / _____ / _____ / _____ / _____ / _____ / _____
4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? ☐ Yes ☐ No ☐ N/A
6. Verify sample date, time, sampler ☐ Yes ☐ No ☐ N/A
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) ☐ Yes ☐ No
8. Were sample custody seals intact? ☐ Yes ☐ No ☐ N/A

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? ☐ Yes ☐ No
2. Did bottle labels correspond with the client's ID's? ☐ Yes ☐ No
3. Were all bottles requiring sample preservation properly preserved? ☐ Yes ☐ No ☐ N/A FGL
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? ☐ Yes ☐ No ☐ N/A
5. Were all analyses within holding times at time of receipt? ☐ Yes ☐ No
6. Have rush or project due dates been checked and accepted? ☐ Yes ☐ No ☐ N/A

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: _____

Reviewed and
Approved By

Shawn Peck



Digitally signed by Shawn Peck
Title: Sample Receiving
Date: 09/27/2016-09:29:02

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

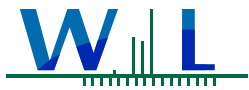
1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

2. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

(2025173)
Rincon Consultants, Inc.
SP 1611125
SRP-09/27/2016-09:29:02



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 6I21020

Report Date: 10/31/2016

Received Date: 9/21/2016

Project: SP 1611125- (2-25173)

Turnaround Time: Normal

Phones: (805) 392-2012

Fax: (805) 525-4172

P.O. #:

Attn: Cindy Aguirre

Client: FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

DoD-ELAP #L15-366 • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO 17025 #L15-365 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A

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.

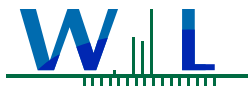
Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/21/16 with the Chain-of-Custody document. The samples were received in good condition, at 2.1 °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:

Kim G. Tu
Project Manager





WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Reported:

10/31/2016 17:13

Project Manager: Cindy Aguirre



Sample Summary

Sample ID	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SMBRP-9	Client	6I21020-01	Water	09/20/16 08:30	
MCWP-MW07S	Client	6I21020-02	Water	09/20/16 11:10	
LAMW-5S	Client	6I21020-03	Water	09/20/16 10:00	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:13

Sample Results

Sample: SMBRP-9
6I21020-01 (Water) Sampled: 09/20/16 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M **Batch ID:** W6I1439 **Prepared:** 09/27/16 10:19 **Analyst:** smr
N-Nitrosodimethylamine ND 5.0 20 ng/l 1 10/04/16 03:57 **M-02**

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Method: EPA 1694M-ESI+ **Batch ID:** W6J0548 **Prepared:** 10/11/16 18:05 **Analyst:** kan
Caffeine ND 1.6 5.0 ng/l 1 10/25/16 14:53 **M-02**
DEET 13 0.30 5.0 ng/l 1 10/25/16 14:53 **M-02**
Sucralose ND 25 25 ng/l 1 10/25/16 14:53 **M-02**

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI- **Batch ID:** W6J0549 **Prepared:** 10/11/16 18:12 **Analyst:** kan
Triclosan ND 6.2 10 ng/l 1 10/20/16 19:56 **M-02**

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI **Batch ID:** W6J0550 **Prepared:** 10/11/16 18:17 **Analyst:** kan
17-b-Estradiol ND 1.6 5.0 ng/l 1 10/21/16 19:53 **M-02**



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Reported:

10/31/2016 17:13

Project Manager: Cindy Aguirre



Sample Results

(Continued)

Sample: MCWP-MW07S
6I21020-02 (Water) Sampled: 09/20/16 11:10 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M	Batch ID: W6I1439	Prepared: 09/27/16 10:19	Analyst: smr				
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	10/04/16 04:25	

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

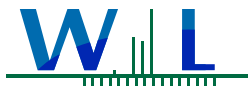
Method: EPA 1694M-ESI+	Batch ID: W6J0548	Prepared: 10/11/16 18:05	Analyst: kan				
Caffeine	2.9	0.31	1.0	ng/l	1	10/25/16 15:10	
DEET	3.9	0.060	1.0	ng/l	1	10/25/16 15:10	
Sucralose	690	5.0	5.0	ng/l	1	10/25/16 15:10	E-01

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI-	Batch ID: W6J0549	Prepared: 10/11/16 18:12	Analyst: kan				
Triclosan	ND	1.2	2.0	ng/l	1	10/20/16 20:13	

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI	Batch ID: W6J0550	Prepared: 10/11/16 18:17	Analyst: kan				
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/21/16 20:13	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:13



Sample Results

(Continued)

Sample: LAMW-5S
6I21020-03 (Water) Sampled: 09/20/16 10:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M **Batch ID:** W6I1439 **Prepared:** 09/27/16 10:19 **Analyst:** smr
N-Nitrosodimethylamine 8.2 0.50 2.0 ng/l 1 10/04/16 04:54

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

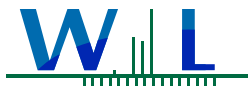
Method: EPA 1694M-ESI+ **Batch ID:** W6J0548 **Prepared:** 10/11/16 18:05 **Analyst:** kan
Caffeine 31 1.6 5.0 ng/l 1 10/25/16 15:26 M-02
DEET 8.3 0.30 5.0 ng/l 1 10/25/16 15:26 M-02
Sucralose 11000 25 25 ng/l 1 10/25/16 15:26 E-01, M-02

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI- **Batch ID:** W6J0549 **Prepared:** 10/11/16 18:12 **Analyst:** kan
Triclosan ND 6.2 10 ng/l 1 10/20/16 20:29 M-02

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI **Batch ID:** W6J0550 **Prepared:** 10/11/16 18:17 **Analyst:** kan
17-b-Estradiol ND 1.6 5.0 ng/l 1 10/21/16 20:33 M-02



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Reported:

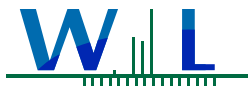
10/31/2016 17:13

Project Manager: Cindy Aguirre

Quality Control Results

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6I1439 - EPA 1625M										
Blank (W6I1439-BLK1)				Prepared: 09/27/16 Analyzed: 10/04/16						
N-Nitrosodimethylamine	ND	0.50	ng/l							
LCS (W6I1439-B51)				Prepared: 09/27/16 Analyzed: 10/04/16						
N-Nitrosodimethylamine	2.66	0.50	ng/l	3.00		89	50-150			
LCS Dup (W6I1439-BSD1)				Prepared: 09/27/16 Analyzed: 10/04/16						
N-Nitrosodimethylamine	2.93	0.50	ng/l	3.00		98	50-150	9	50	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Reported:

10/31/2016 17:13

Project Manager: Cindy Aguirre

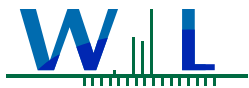


Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6J0548 - EPA 1694M-ESI+										
Blank (W6J0548-BLK1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	ND	0.31	ng/l							
DEET	0.456	0.060	ng/l							J
LCS (W6J0548-BS1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	8.05	0.31	ng/l	10.0		80	55-152			
DEET	9.45	0.060	ng/l	10.0		94	45-135			
LCS Dup (W6J0548-BSD1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	7.90	0.31	ng/l	10.0		79	55-152	2	30	
DEET	11.1	0.060	ng/l	10.0		111	45-135	16	30	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Project Manager: Cindy Aguirre

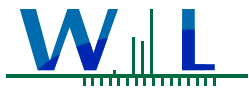
Reported:
10/31/2016 17:13

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W6J0549 - EPA 1694M-ESI-										
Blank (W6J0549-BLK1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	0.339	0.27	ng/l							J
Diclofenac	0.506	0.26	ng/l							J
Gemfibrozil	ND	0.080	ng/l							
Ibuprofen	ND	0.39	ng/l							
Iopromide	ND	1.8	ng/l							
Triclosan	ND	1.2	ng/l							
LCS (W6J0549-BS1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	8.65	0.27	ng/l	10.0		86	53-168			
Diclofenac	11.2	0.26	ng/l	10.0		112	0-200			
Gemfibrozil	8.60	0.080	ng/l	10.0		86	76-122			
Ibuprofen	8.62	0.39	ng/l	10.0		86	67-139			
Iopromide	22.6	1.8	ng/l	50.0		45	0.1-163			
Naproxen	9.05	0.25	ng/l	10.0		90	64-138			
Salicylic Acid	79.8	0.86	ng/l	100		80	56-229			
Triclosan	9.05	1.2	ng/l	10.0		90	76-139			
LCS Dup (W6J0549-BSD1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	10.0	0.27	ng/l	10.0		100	53-168	14	30	
Diclofenac	11.6	0.26	ng/l	10.0		116	0-200	4	200	
Gemfibrozil	9.28	0.080	ng/l	10.0		93	76-122	8	30	
Ibuprofen	9.38	0.39	ng/l	10.0		94	67-139	8	30	
Iopromide	23.0	1.8	ng/l	50.0		46	0.1-163	2	30	
Naproxen	9.66	0.25	ng/l	10.0		97	64-138	7	30	
Salicylic Acid	94.2	0.86	ng/l	100		94	56-229	17	30	
Triclosan	9.11	1.2	ng/l	10.0		91	76-139	0.7	30	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:13

Quality Control Results

(Continued)

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6J0550 - EPA 1694M-APCI										
Blank (W6J0550-BLK1)										
				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	ND	0.56	ng/l							
17-b-Estradiol	ND	0.31	ng/l							
Estrone	0.678	0.20	ng/l							J
LCS (W6J0550-BS1)										
				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	7.58	0.56	ng/l	10.0		76	68-159			
17-b-Estradiol	6.89	0.31	ng/l	10.0		69	65-146			
Estrone	6.48	0.20	ng/l	10.0		65	59-141			
Progesterone	7.83	0.17	ng/l	10.0		78	58-154			
Testosterone	7.72	0.14	ng/l	10.0		77	60-172			
LCS Dup (W6J0550-BSD1)										
				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	7.38	0.56	ng/l	10.0		74	68-159	3	30	
17-b-Estradiol	9.80	0.31	ng/l	10.0		98	65-146	35	30	Q-12
Estrone	7.80	0.20	ng/l	10.0		78	59-141	18	30	
Progesterone	8.89	0.17	ng/l	10.0		89	58-154	13	30	
Testosterone	12.3	0.14	ng/l	10.0		123	60-172	46	30	Q-12



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611125- (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:13



Notes and Definitions

Item	Definition
E-01	The concentration indicated for this analyte is an estimated value above the calibration range.
J	Estimated conc. detected <MRL and >MDL.
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
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.



WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER: 6I21020
Client: FGL Environmental
Project: PPCP-EDC

Printed: 9/22/2016 12:41:48PM
Project Manager: Kim G. Tu
Project Number: SP 1611125- (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
 853 Corporation Street
 Santa Paula, CA 93060
 Phone : (805) 392-2000
 Fax: (805) 525-4172

Date Due: 10/26/16 09:00 (25 day TAT)
Received By: Tomasz J. Globisz
Logged In By: Algabriel T. Holanda

Date Received: 09/21/16 10:00
Date Logged In: 09/21/16 12:21

Samples Received at:	2.1°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
6I21020-01 Sample Name: SMBRP-9 [Water] Sampled 9/20/2016 08:30		
PPCP Pharma-Positive	10/18/16 08:30	See COC
PPCP Pharma-Negative	10/18/16 08:30	See COC
PPCP Hormones	10/18/16 08:30	See COC
NDMA	09/27/16 08:30	
6I21020-02 Sample Name: MCWP-MW07S [Water] Sampled 9/20/2016 11:10		
PPCP Pharma-Positive	10/18/16 11:10	See COC
PPCP Pharma-Negative	10/18/16 11:10	See COC
PPCP Hormones	10/18/16 11:10	See COC
NDMA	09/27/16 11:10	
6I21020-03 Sample Name: LAMW-5S [Water] Sampled 9/20/2016 10:00		
PPCP Pharma-Positive	10/18/16 10:00	See COC
PPCP Pharma-Negative	10/18/16 10:00	See COC
PPCP Hormones	10/18/16 10:00	See COC
NDMA	09/27/16 10:00	


 Authorized Signature _____ Date 9/22/2016

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.

**Subcontract to
Weck Laboratories, Inc.**

6I21070

Client: Fruit Growers Laboratory, Inc. Address: FGL Environmental, Inc. 853 Corporation St. Santa Paula, CA 93060-3005 Phone: _____ Fax: _____ Contact Person: _____ Project Name: SP 1611125 - (2-25173) Purchase Order Number: _____				Map Ref.																									
				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:Caffeine, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporting** Other(AGT)																									
																	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)												
Sampler(s) Compositor Setup Date: ____/____/____ Time: ____/____																													
Lab Number:																													
Samp Num	Location Description	Date Sampled	Time Sampled																										
1	SMBRP-9	09/20/16	08:30	G	MW																								
3	MCWP-MW07S	09/20/16	11:10	G	MW																								
9	LAMW-5S	09/20/16	10:00	G	MW																								
Remarks:				Relinquished				Date:				Time:				Relinquished				Date:				Time:					
				<i>[Signature]</i>				9/20/16				17:30				Outtrac				2:16									
4.25.				Received By:				Date:				Time:				Received By:				Date:				Time:					
				Outtrac				↓				↓				<i>[Signature]</i>				09/21/16				10:00					

November 1, 2016

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

Subject: Subcontract Analyses for FGL Lab No. SP 1611210

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

- Sub Contracted-PPCP-EPA 1694M Hormones
- 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: 2016-11-01

Enclosure

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



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 - BL GWM - CECs Purchase Order Number: Quote Number: SP 20150526-01				4057:09/05/2016				TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling Information			
Sampler(s) Pintos (Field) Sampling Fee: _____ Pickup Fee: 1601010 Compositor Setup Date: _____ Time: _____ Lab Number: SP 14110050 2-25173				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: Caffeine, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporting** Other(AGT)			
Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)											
Remarks: 12/28/15				Relinquished Received By: [Signature] Date: 9-21-16 Time: 1400				Relinquished Received By: [Signature] Date: 9/21/16 Time: 1540			
1 SMBRP-9 Date Sampled: 9-21-16 Time Sampled: 1245 G MW											
2 MCWP-MW04S Date Sampled: 9-21-16 Time Sampled: 1245 G MW											
3 MCWP-MW07S Date Sampled: 9-21-16 Time Sampled: 1010 G MW											
4 SMBRP-12 Date Sampled: 9-21-16 Time Sampled: 1010 G MW											
5 MCWP-04D Date Sampled: 9-21-16 Time Sampled: 1010 G MW											
6 MCWP-07D Date Sampled: 9-21-16 Time Sampled: 1130 G MW											
7 MCWP-MW09 Date Sampled: 9-21-16 Time Sampled: 0830 G MW											
8 TY-MW-1 Date Sampled: 9-21-16 Time Sampled: 0830 G MW											
9 LAMW-5S Date Sampled: 9-21-16 Time Sampled: 0830 G MW											

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

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 2500 Stagecoach Road
 Stockton, CA 95215
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 Fax: (209) 942-0423

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

Office & Laboratory
 3442 Empressa 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

Subcontract to Weck 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 1611210 - (2-25173) Purchase Order Number:					Map Ref.																									
					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: Caffeine, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporting** Other(AGT)																									
																		Sampler(s) Rincon (Field) Compositor Setup Date: ____/____/____ Time: ____/____ Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)												
																		Lab Number:												
Samp Num	Location Description	Date Sampled	Time Sampled	Method	Type	Potable	Bacti	Reason	Special	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive: Caffeine, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporting** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)																			
2	MCWP-MW04S	09/21/16	12:45	G	MW					2	2																			
4	SMBRP-12	09/21/16	10:10	G	MW					2	2																			
7	MCWP-MW09	09/21/16	11:30	G	MW					2	2																			
8	TY-MW-1	09/21/16	08:30	G	MW					2	2																			
Remarks:				Relinquished			Date:		Time:		Relinquished			Date:		Time:		Relinquished			Date:		Time:							
				Received By:			Date:		Time:		Received By:			Date:		Time:		Received By:			Date:		Time:							

Condition Upon Receipt (Attach to COC)

Sample Receipt at SP:

1. Number of ice chests/packages received: 1
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
Temps: ROI / 5 / _____ / _____ / _____ / _____ / _____
4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? ☐ Yes ☐ No ☐ N/A
6. Verify sample date, time, sampler ☐ Yes ☐ No ☐ N/A
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) ☐ Yes ☐ No
8. Were sample custody seals intact? ☐ Yes ☐ No ☐ N/A

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? ☐ Yes ☐ No
2. Did bottle labels correspond with the client's ID's? ☐ Yes ☐ No
3. Were all bottles requiring sample preservation properly preserved? ☐ Yes ☐ No ☐ N/A FGL
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? ☐ Yes ☐ No ☐ N/A
5. Were all analyses within holding times at time of receipt? ☐ Yes ☐ No
6. Have rush or project due dates been checked and accepted? ☐ Yes ☐ No ☐ N/A

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by:

Reviewed and
Approved By

Shawn Peck



Digitally signed by Shawn Peck
Title: Sample Receiving
Date: 09/27/2016-09:27:42

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

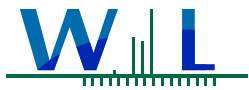
1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

2. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

(2025173)
Rincon Consultants, Inc.
SP 1611210
SRP-09/27/2016-09:27:42



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 6I22028

Report Date: 10/31/2016

Received Date: 9/22/2016

Project: SP 1611210- (2-25173)

Turnaround Time: Normal

Phones: (805) 392-2012

Fax: (805) 525-4172

P.O. #:

Attn: Cindy Aguirre

Client: FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

DoD-ELAP #L15-366 • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO 17025 #L15-365 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A

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.

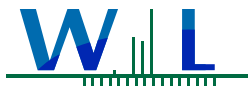
Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/22/16 with the Chain-of-Custody document. The samples were received in good condition, at 3.8 °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:

Kim G. Tu
Project Manager





WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611210- (2-25173)

Reported:

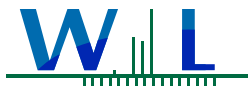
10/31/2016 17:14

Project Manager: Cindy Aguirre



Sample Summary

Sample ID	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
MCWP-MW04S	Client	6I22028-01	Water	09/21/16 12:45	
SMBRP-12	Client	6I22028-02	Water	09/21/16 10:10	
MCWP-MW09	Client	6I22028-03	Water	09/21/16 11:30	
TY-MW-1	Client	6I22028-04	Water	09/21/16 08:30	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611210- (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:14

Sample Results

Sample: MCWP-MW04S
6I22028-01 (Water) Sampled: 09/21/16 12:45 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M **Batch ID:** W6I1534 **Prepared:** 09/28/16 11:33 **Analyst:** smr
N-Nitrosodimethylamine ND 0.50 2.0 ng/l 1 10/09/16 02:54

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Method: EPA 1694M-ESI+ **Batch ID:** W6J0548 **Prepared:** 10/11/16 18:05 **Analyst:** kan
Caffeine 5.3 0.31 1.0 ng/l 1 10/25/16 15:43
DEET 4.0 0.060 1.0 ng/l 1 10/25/16 15:43
Sucralose 720 5.0 5.0 ng/l 1 10/25/16 15:43 **E-01**

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI- **Batch ID:** W6J0549 **Prepared:** 10/11/16 18:12 **Analyst:** kan
Triclosan ND 1.2 2.0 ng/l 1 10/20/16 20:45

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI **Batch ID:** W6J0550 **Prepared:** 10/11/16 18:17 **Analyst:** kan
17-b-Estradiol ND 0.31 1.0 ng/l 1 10/21/16 20:53



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Certificate of Analysis

FINAL REPORT

Project Number: SP 1611210- (2-25173)

Reported:

10/31/2016 17:14

Project Manager: Cindy Aguirre



Sample Results

(Continued)

Sample: SMBRP-12
6I22028-02 (Water) Sampled: 09/21/16 10:10 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M	Batch ID: W6I1534	Prepared: 09/28/16 11:33	Analyst: smr				
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	10/09/16 03:22	

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

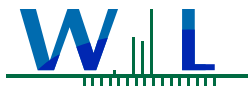
Method: EPA 1694M-ESI+	Batch ID: W6J0548	Prepared: 10/11/16 18:05	Analyst: kan				
Caffeine	ND	0.31	1.0	ng/l	1	10/25/16 15:59	
DEET	3.8	0.060	1.0	ng/l	1	10/25/16 15:59	
Sucralose	100	5.0	5.0	ng/l	1	10/25/16 15:59	

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI-	Batch ID: W6J0549	Prepared: 10/11/16 18:12	Analyst: kan				
Triclosan	ND	1.2	2.0	ng/l	1	10/20/16 21:02	

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI	Batch ID: W6J0550	Prepared: 10/11/16 18:17	Analyst: kan				
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/21/16 21:14	



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FINAL REPORT

Project Number: SP 1611210- (2-25173)

Reported:

10/31/2016 17:14

Project Manager: Cindy Aguirre



Sample Results

(Continued)

Sample: MCWP-MW09
6I22028-03 (Water) Sampled: 09/21/16 11:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M	Batch ID: W6I1534	Prepared: 09/28/16 11:33	Analyst: smr				
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	10/09/16 03:50	

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

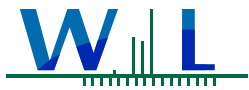
Method: EPA 1694M-ESI+	Batch ID: W6J0548	Prepared: 10/11/16 18:05	Analyst: kan				
Caffeine	ND	0.31	1.0	ng/l	1	10/25/16 16:16	
DEET	2.0	0.060	1.0	ng/l	1	10/25/16 16:16	
Sucralose	26	5.0	5.0	ng/l	1	10/25/16 16:16	

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI-	Batch ID: W6J0549	Prepared: 10/11/16 18:12	Analyst: kan				
Triclosan	ND	1.2	2.0	ng/l	1	10/20/16 21:18	

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI	Batch ID: W6J0550	Prepared: 10/11/16 18:17	Analyst: kan				
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/21/16 21:34	



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FGL Environmental
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FINAL REPORT

Project Number: SP 1611210- (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:14



Sample Results

(Continued)

Sample: TY-MW-1
6I22028-04 (Water) Sampled: 09/21/16 8:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M **Batch ID:** W6I1534 **Prepared:** 09/28/16 11:33 **Analyst:** smr
N-Nitrosodimethylamine ND 0.50 2.0 ng/l 1 10/09/16 04:19

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Method: EPA 1694M-ESI+ **Batch ID:** W6J0548 **Prepared:** 10/11/16 18:05 **Analyst:** kan
Caffeine **0.55** 0.31 1.0 ng/l 1 10/25/16 16:32 **J**
DEET **2.4** 0.060 1.0 ng/l 1 10/25/16 16:32
Sucralose ND 5.0 5.0 ng/l 1 10/25/16 16:32

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI- **Batch ID:** W6J0549 **Prepared:** 10/11/16 18:12 **Analyst:** kan
Triclosan ND 1.2 2.0 ng/l 1 10/20/16 21:35

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI **Batch ID:** W6J0550 **Prepared:** 10/11/16 18:17 **Analyst:** kan
17-b-Estradiol ND 0.31 1.0 ng/l 1 10/21/16 21:54



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FINAL REPORT

Project Number: SP 1611210- (2-25173)

Reported:

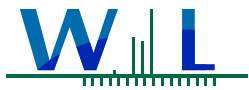
10/31/2016 17:14

Project Manager: Cindy Aguirre

Quality Control Results

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6I1534 - EPA 1625M										
Blank (W6I1534-BLK1)				Prepared: 09/28/16 Analyzed: 10/08/16						
N-Nitrosodimethylamine	ND	0.50	ng/l							
LCS (W6I1534-B51)				Prepared: 09/28/16 Analyzed: 10/09/16						
N-Nitrosodimethylamine	2.39	0.50	ng/l	3.00		80	50-150			
LCS Dup (W6I1534-BSD1)				Prepared: 09/28/16 Analyzed: 10/09/16						
N-Nitrosodimethylamine	2.39	0.50	ng/l	3.00		80	50-150	0.04	30	



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FINAL REPORT

Project Number: SP 1611210- (2-25173)

Reported:

10/31/2016 17:14

Project Manager: Cindy Aguirre



Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6J0548 - EPA 1694M-ESI+										
Blank (W6J0548-BLK1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	ND	0.31	ng/l							
DEET	0.456	0.060	ng/l							J
LCS (W6J0548-BS1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	8.05	0.31	ng/l	10.0		80	55-152			
DEET	9.45	0.060	ng/l	10.0		94	45-135			
LCS Dup (W6J0548-BSD1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	7.90	0.31	ng/l	10.0		79	55-152	2	30	
DEET	11.1	0.060	ng/l	10.0		111	45-135	16	30	



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Project Number: SP 1611210- (2-25173)

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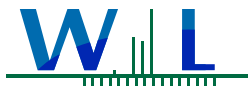
Reported:
10/31/2016 17:14

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W6J0549 - EPA 1694M-ESI-										
Blank (W6J0549-BLK1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	0.339	0.27	ng/l							J
Diclofenac	0.506	0.26	ng/l							J
Gemfibrozil	ND	0.080	ng/l							
Ibuprofen	ND	0.39	ng/l							
Iopromide	ND	1.8	ng/l							
Triclosan	ND	1.2	ng/l							
LCS (W6J0549-BS1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	8.65	0.27	ng/l	10.0		86	53-168			
Diclofenac	11.2	0.26	ng/l	10.0		112	0-200			
Gemfibrozil	8.60	0.080	ng/l	10.0		86	76-122			
Ibuprofen	8.62	0.39	ng/l	10.0		86	67-139			
Iopromide	22.6	1.8	ng/l	50.0		45	0.1-163			
Naproxen	9.05	0.25	ng/l	10.0		90	64-138			
Salicylic Acid	79.8	0.86	ng/l	100		80	56-229			
Triclosan	9.05	1.2	ng/l	10.0		90	76-139			
LCS Dup (W6J0549-BSD1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	10.0	0.27	ng/l	10.0		100	53-168	14	30	
Diclofenac	11.6	0.26	ng/l	10.0		116	0-200	4	200	
Gemfibrozil	9.28	0.080	ng/l	10.0		93	76-122	8	30	
Ibuprofen	9.38	0.39	ng/l	10.0		94	67-139	8	30	
Iopromide	23.0	1.8	ng/l	50.0		46	0.1-163	2	30	
Naproxen	9.66	0.25	ng/l	10.0		97	64-138	7	30	
Salicylic Acid	94.2	0.86	ng/l	100		94	56-229	17	30	
Triclosan	9.11	1.2	ng/l	10.0		91	76-139	0.7	30	



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FGL Environmental
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Certificate of Analysis

FINAL REPORT

Project Number: SP 1611210- (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:14

Quality Control Results

(Continued)

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6J0550 - EPA 1694M-APCI										
Blank (W6J0550-BLK1)				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	ND	0.56	ng/l							
17-b-Estradiol	ND	0.31	ng/l							
Estrone	0.678	0.20	ng/l							J
LCS (W6J0550-BS1)				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	7.58	0.56	ng/l	10.0		76	68-159			
17-b-Estradiol	6.89	0.31	ng/l	10.0		69	65-146			
Estrone	6.48	0.20	ng/l	10.0		65	59-141			
Progesterone	7.83	0.17	ng/l	10.0		78	58-154			
Testosterone	7.72	0.14	ng/l	10.0		77	60-172			
LCS Dup (W6J0550-BSD1)				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	7.38	0.56	ng/l	10.0		74	68-159	3	30	
17-b-Estradiol	9.80	0.31	ng/l	10.0		98	65-146	35	30	Q-12
Estrone	7.80	0.20	ng/l	10.0		78	59-141	18	30	
Progesterone	8.89	0.17	ng/l	10.0		89	58-154	13	30	
Testosterone	12.3	0.14	ng/l	10.0		123	60-172	46	30	Q-12



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611210- (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:14



Notes and Definitions

Item	Definition
E-01	The concentration indicated for this analyte is an estimated value above the calibration range.
J	Estimated conc. detected <MRL and >MDL.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
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.



WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER: 6122028
Client: FGL Environmental
Project: PPCP-EDC

Printed: 9/22/2016 3:27:02PM
Project Manager: Kim G. Tu
Project Number: SP 1611210- (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
 853 Corporation Street
 Santa Paula, CA 93060
 Phone : (805) 392-2000
 Fax: (805) 525-4172

Date Due: 11/03/16 09:00 (30 day TAT)
Received By: Tomasz J. Globisz
Logged In By: Tomasz J. Globisz

Date Received: 09/22/16 09:45
Date Logged In: 09/22/16 12:32

Samples Received at:	3.8°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
6122028-01 Sample Name: MCWP-MW04S [Water] Sampled 9/21/2016 12:45		
PPCP Hormones	10/19/16 12:45	See COC
PPCP Pharma-Negative	10/19/16 12:45	See COC
PPCP Pharma-Positive	10/19/16 12:45	See COC
NDMA	09/28/16 12:45	
6122028-02 Sample Name: SMBRP-12 [Water] Sampled 9/21/2016 10:10		
PPCP Pharma-Positive	10/19/16 10:10	See COC
NDMA	09/28/16 10:10	
PPCP Hormones	10/19/16 10:10	See COC
PPCP Pharma-Negative	10/19/16 10:10	See COC
6122028-03 Sample Name: MCWP-MW09 [Water] Sampled 9/21/2016 11:30		
PPCP Hormones	10/19/16 11:30	See COC
PPCP Pharma-Negative	10/19/16 11:30	See COC
PPCP Pharma-Positive	10/19/16 11:30	See COC
NDMA	09/28/16 11:30	
6122028-04 Sample Name: TY-MW-1 [Water] Sampled 9/21/2016 08:30		
PPCP Pharma-Positive	10/19/16 08:30	See COC
NDMA	09/28/16 08:30	
PPCP Hormones	10/19/16 08:30	See COC
PPCP Pharma-Negative	10/19/16 08:30	See COC



WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER: 6I22028
Client: FGL Environmental
Project: PPCP-EDC

Printed: 9/22/2016 3:27:02PM
Project Manager: Kim G. Tu
Project Number: SP 1611210- (2-25173)

9/22/2016

Authorized Signature

Date

Note:

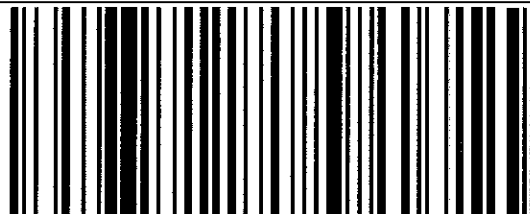
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

6122028

Client: Fruit Growers Laboratory, Inc.					
Address: FGL Environmental, Inc. 853 Corporation St. Santa Paula, CA 93060-3005					
Phone: _____ Fax: _____					
Contact Person:					
Project Name: SP 1611210 - (2-25173)					
Purchase Order Number:					
Sampler(s) Rincon (Field)					
Compositor Setup Date: ____ / ____ / ____ Time: ____ / ____ / ____					
Lab Number:					
Sample Num	Location Description	Date Sampled	Time Sampled		
2	MCWP-MW04S	09/21/16	12:45	G	MW
4	SMBRP-12	09/21/16	10:10	G	MW
7	MCWP-MW09	09/21/16	11:30	G	MW
8	TY-MW-1	09/21/16	08:30	G	MW
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 Reporting** Other(AGT)					
Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)					
Relinquished					
Received By: _____ Date: _____ Time: _____					
Relinquished					
Received By: _____ Date: _____ Time: _____					
Remarks: 3.8°C					



800.334.5000
ontrac.com



D10011011846576

Date Printed 9/21/2016

Tracking#D10011011846576

Shipped From:

FGL ENVIRONMENTAL
853 CORPORATION STREET
SANTA PAULA, CA 93060

Sent By: BRANDON QUELL

Phone#: (805)392-2033

wgt(lbs): 71

Reference: SP1611210 9/21/16-CM

Reference 2:

Ship To Company:

WECK LABS
14859 E. CLARK AVE.
HACIENDA HTS, CA 91745
SAMPLE RECEIVING (626)336-2139

Service: **SUNRISE**

Sort Code: **COM**

Special Services:

November 1, 2016

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

Subject: Subcontract Analyses for FGL Lab No. SP 1611291

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

- Sub Contracted-PPCP-EPA 1694M Hormones
- 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: 2016-11-01

Enclosure

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

Analytical Chemists																	
				4057:09/05/2016		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 - BL GWM - CECs Purchase Order Number: Quote Number: SP 20150526-01 Sampler(s) Rincon (field) Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____/____/____ Lab Number: SP 11011201 2-25173				Method of Sampling: Composite(C) Grab(G)		Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacteri Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacteri Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffeine, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporting** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)						
Samp Num	Location Description	Date Sampled	Time Sampled	G	MW												
1	SMBRP-9			G	MW					2	2						
2	MCWP-MW04S			G	MW					2	2						
3	MCWP-MW07S			G	MW					2	2						
4	SMBRP-12			G	MW					2	2						
5	MCWP-04D	9.22.16	1115	G	MW					2	2						
6	MCWP-07D	9.22.16	0830	G	MW					2	2						
7	MCWP-MW09			G	MW					2	2						
8	TY-MW-1			G	MW					2	2						
9	LAMW-5S			G	MW					2	2						
Remarks:				Relinquished		Date:	Time:	Relinquished		Date:	Time:	Relinquished		Date:	Time:		
				Received By:		Date:	Time:	Received By:		Date:	Time:	Received By:		Date:	Time:		
4°C				Ret Shelly		9.22.16	1400	[Signature]		9/22/16	1540						

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

Subcontract to Weck Laboratories, Inc.

				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 1611291 - (2-25173) Purchase Order Number:																					
Sampler(s) Rincon 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:Caffeine, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporting** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporting** 500ml(AGT)											
5	MCWP-04D	09/22/16	11:15	G	MW				2	2											
6	MCWP-07D	09/22/16	08:30	G	MW				2	2											
Remarks:				Relinquished		Date:		Time:		Relinquished		Date:		Time:		Relinquished		Date:		Time:	
				Received By:		Date:		Time:		Received By:		Date:		Time:		Received By:		Date:		Time:	

Condition Upon Receipt (Attach to COC)

Sample Receipt at SP:

1. Number of ice chests/packages received: 1
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
Temps: ROI / _____ / _____ / _____ / _____ / _____ / _____
4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? ☐ Yes ☐ No ☐ N/A
6. Verify sample date, time, sampler ☐ Yes ☐ No ☐ N/A
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) ☐ Yes ☐ No
8. Were sample custody seals intact? ☐ Yes ☐ No ☐ N/A

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? ☐ Yes ☐ No
2. Did bottle labels correspond with the client's ID's? ☐ Yes ☐ No
3. Were all bottles requiring sample preservation properly preserved? ☐ Yes ☐ No ☐ N/A FGL
[Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? ☐ Yes ☐ No ☐ N/A
5. Were all analyses within holding times at time of receipt? ☐ Yes ☐ No
6. Have rush or project due dates been checked and accepted? ☐ Yes ☐ No ☐ N/A

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by:

Reviewed and
Approved By

Alyssa P. Bavero



Digitally signed by Alyssa P. Bavero
Title: Sample Receiving
Date: 09/22/2016-16:27:26

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

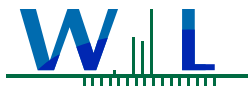
1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

2. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

(2025173)
Rincon Consultants, Inc.
SP 1611291
APB-09/22/2016-16:27:26



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 6I23006

Project: SP 1611291 - (2-25173)

Attn: Cindy Aguirre

Client: FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Report Date: 10/31/2016

Received Date: 9/23/2016

Turnaround Time: Normal

Phones: (805) 392-2012

Fax: (805) 525-4172

P.O. #:

DoD-ELAP #L15-366 • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO 17025 #L15-365 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A

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.

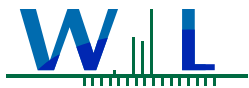
Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/23/16 with the Chain-of-Custody document. The samples were received in good condition, at 4.8 °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:

Kim G. Tu
Project Manager





WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611291 - (2-25173)

Reported:

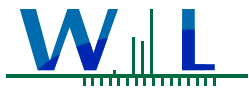
10/31/2016 17:14

Project Manager: Cindy Aguirre



Sample Summary

Sample ID	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
MCWP-04D	Rincon	6I23006-01	Water	09/22/16 11:15	
MCWP-07D	Rincon	6I23006-02	Water	09/22/16 08:30	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611291 - (2-25173)

Reported:

10/31/2016 17:14

Project Manager: Cindy Aguirre



Sample Results

Sample: MCWP-04D
6I23006-01 (Water) Sampled: 09/22/16 11:15 by Rincon

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M	Batch ID: W6I1534	Prepared: 09/28/16 11:33	Analyst: smr				
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	10/09/16 05:43	

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Method: EPA 1694M-ESI+	Batch ID: W6J0548	Prepared: 10/11/16 18:05	Analyst: kan				
Caffeine	ND	0.31	1.0	ng/l	1	10/25/16 16:49	
DEET	1.3	0.060	1.0	ng/l	1	10/25/16 16:49	
Sucralose	72	5.0	5.0	ng/l	1	10/25/16 16:49	

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI-	Batch ID: W6J0549	Prepared: 10/11/16 18:12	Analyst: kan				
Triclosan	ND	1.2	2.0	ng/l	1	10/20/16 21:51	

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI	Batch ID: W6J0550	Prepared: 10/11/16 18:17	Analyst: kan				
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/21/16 22:15	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611291 - (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:14



Sample Results

(Continued)

Sample: MCWP-07D
6I23006-02 (Water) Sampled: 09/22/16 8:30 by Rincon

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier

Nitrosamines by isotopic dilution GC/MS CI Mode

Method: EPA 1625M **Batch ID:** W6I1534 **Prepared:** 09/28/16 11:33 **Analyst:** smr
N-Nitrosodimethylamine ND 0.50 2.0 ng/l 1 10/09/16 06:12

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

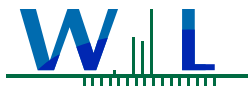
Method: EPA 1694M-ESI+ **Batch ID:** W6J0548 **Prepared:** 10/11/16 18:05 **Analyst:** kan
Caffeine ND 0.31 1.0 ng/l 1 10/25/16 17:05
DEET 1.0 0.060 1.0 ng/l 1 10/25/16 17:05
Sucralose 240 5.0 5.0 ng/l 1 10/25/16 17:05

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Method: EPA 1694M-ESI- **Batch ID:** W6J0549 **Prepared:** 10/11/16 18:12 **Analyst:** kan
Triclosan ND 1.2 2.0 ng/l 1 10/20/16 22:08

PPCPs - Hormones by LC/MSMS-APCI

Method: EPA 1694M-APCI **Batch ID:** W6J0550 **Prepared:** 10/11/16 18:17 **Analyst:** kan
17-b-Estradiol ND 0.31 1.0 ng/l 1 10/21/16 22:35



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611291 - (2-25173)

Reported:

10/31/2016 17:14

Project Manager: Cindy Aguirre

Quality Control Results

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6I1534 - EPA 1625M										
Blank (W6I1534-BLK1)				Prepared: 09/28/16 Analyzed: 10/08/16						
N-Nitrosodimethylamine	ND	0.50	ng/l							
LCS (W6I1534-B51)				Prepared: 09/28/16 Analyzed: 10/09/16						
N-Nitrosodimethylamine	2.39	0.50	ng/l	3.00		80	50-150			
LCS Dup (W6I1534-BSD1)				Prepared: 09/28/16 Analyzed: 10/09/16						
N-Nitrosodimethylamine	2.39	0.50	ng/l	3.00		80	50-150	0.04	30	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611291 - (2-25173)

Reported:

10/31/2016 17:14

Project Manager: Cindy Aguirre

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6J0548 - EPA 1694M-ESI+										
Blank (W6J0548-BLK1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	ND	0.31	ng/l							
DEET	0.456	0.060	ng/l							J
LCS (W6J0548-BS1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	8.05	0.31	ng/l	10.0		80	55-152			
DEET	9.45	0.060	ng/l	10.0		94	45-135			
LCS Dup (W6J0548-BSD1)				Prepared: 10/11/16 Analyzed: 10/25/16						
Caffeine	7.90	0.31	ng/l	10.0		79	55-152	2	30	
DEET	11.1	0.060	ng/l	10.0		111	45-135	16	30	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611291 - (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:14

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W6J0549 - EPA 1694M-ESI-										
Blank (W6J0549-BLK1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	0.339	0.27	ng/l							J
Diclofenac	0.506	0.26	ng/l							J
Gemfibrozil	ND	0.080	ng/l							
Ibuprofen	ND	0.39	ng/l							
Iopromide	ND	1.8	ng/l							
Triclosan	ND	1.2	ng/l							
LCS (W6J0549-BS1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	8.65	0.27	ng/l	10.0		86	53-168			
Diclofenac	11.2	0.26	ng/l	10.0		112	0-200			
Gemfibrozil	8.60	0.080	ng/l	10.0		86	76-122			
Ibuprofen	8.62	0.39	ng/l	10.0		86	67-139			
Iopromide	22.6	1.8	ng/l	50.0		45	0.1-163			
Naproxen	9.05	0.25	ng/l	10.0		90	64-138			
Salicylic Acid	79.8	0.86	ng/l	100		80	56-229			
Triclosan	9.05	1.2	ng/l	10.0		90	76-139			
LCS Dup (W6J0549-BSD1)				Prepared: 10/11/16 Analyzed: 10/20/16						
Bisphenol A	10.0	0.27	ng/l	10.0		100	53-168	14	30	
Diclofenac	11.6	0.26	ng/l	10.0		116	0-200	4	200	
Gemfibrozil	9.28	0.080	ng/l	10.0		93	76-122	8	30	
Ibuprofen	9.38	0.39	ng/l	10.0		94	67-139	8	30	
Iopromide	23.0	1.8	ng/l	50.0		46	0.1-163	2	30	
Naproxen	9.66	0.25	ng/l	10.0		97	64-138	7	30	
Salicylic Acid	94.2	0.86	ng/l	100		94	56-229	17	30	
Triclosan	9.11	1.2	ng/l	10.0		91	76-139	0.7	30	



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611291 - (2-25173)

Reported:

10/31/2016 17:14

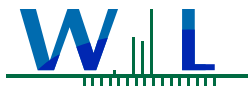
Project Manager: Cindy Aguirre

Quality Control Results

(Continued)

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W6J0550 - EPA 1694M-APCI										
Blank (W6J0550-BLK1)				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	ND	0.56	ng/l							
17-b-Estradiol	ND	0.31	ng/l							
Estrone	0.678	0.20	ng/l							J
LCS (W6J0550-BS1)				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	7.58	0.56	ng/l	10.0		76	68-159			
17-b-Estradiol	6.89	0.31	ng/l	10.0		69	65-146			
Estrone	6.48	0.20	ng/l	10.0		65	59-141			
Progesterone	7.83	0.17	ng/l	10.0		78	58-154			
Testosterone	7.72	0.14	ng/l	10.0		77	60-172			
LCS Dup (W6J0550-BSD1)				Prepared: 10/11/16 Analyzed: 10/21/16						
17-a-Ethinylestradiol	7.38	0.56	ng/l	10.0		74	68-159	3	30	
17-b-Estradiol	9.80	0.31	ng/l	10.0		98	65-146	35	30	Q-12
Estrone	7.80	0.20	ng/l	10.0		78	59-141	18	30	
Progesterone	8.89	0.17	ng/l	10.0		89	58-154	13	30	
Testosterone	12.3	0.14	ng/l	10.0		123	60-172	46	30	Q-12



WECK LABORATORIES, INC.

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Certificate of Analysis

FINAL REPORT

Project Number: SP 1611291 - (2-25173)

Project Manager: Cindy Aguirre

Reported:
10/31/2016 17:14



Notes and Definitions

Item	Definition
J	Estimated conc. detected <MRL and >MDL.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
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.



WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER: 6I23006
Client: FGL Environmental
Project: PPCP-EDC

Printed: 9/26/2016 1:05:39PM
Project Manager: Kim G. Tu
Project Number: SP 1611291 - (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
 853 Corporation Street
 Santa Paula, CA 93060
 Phone: (805) 392-2000
 Fax: (805) 525-4172

Date Due: 10/07/16 09:00 (10 day TAT)
Received By: Jaime Gomez
Logged In By: Jaime Gomez

Date Received: 09/23/16 10:05
Date Logged In: 09/23/16 10:55

Samples Received at:	4.8°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
6I23006-01 Sample Name: MCWP-04D [Water] Sampled 9/22/2016 11:15		
PPCP Pharma-Positive	10/20/16 11:15	Triclosan only
PPCP Pharma-Negative	10/20/16 11:15	caffeine, DEET, Sucralose only
PPCP Hormones	10/20/16 11:15	17-b Estradiol only
NDMA	09/29/16 11:15	
6I23006-02 Sample Name: MCWP-07D [Water] Sampled 9/22/2016 08:30		
PPCP Pharma-Positive	10/20/16 08:30	Triclosan only
PPCP Pharma-Negative	10/20/16 08:30	caffeine, DEET, Sucralose only
PPCP Hormones	10/20/16 08:30	17-b Estradiol only
NDMA	09/29/16 08:30	


 Authorized Signature _____ Date 9/26/2016

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.

GI23006

[illegible]

October 25, 2016

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

Subject: Subcontract Analyses for FGL Lab No. SP 1611294

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

- Sub Organic-EPA 525
- Sub Inorganic-Bromate, Chlorite, Low-Level

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: 2016-10-25

Enclosure

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

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

Analytical Report: Page 1 of 6

Project Name: No Project

Project Number: SP 1611294 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2278

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

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
B6I2278-01	SP 1611294 - (2-25173) 5 MCWP-04D Grab	Water	09/22/16 11:15	Rincon	09/23/16 10:20	Courier (OnTrac)
B6I2278-02	SP 1611294 - (2-25173) 6 MCWP-07D Grab	Water	09/22/16 08:30	Rincon	09/23/16 10:20	Courier (OnTrac)

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

Analytical Report: Page 2 of 6

Project Name: No Project

Project Number: SP 1611294 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2278

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B6I2278-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611294 - (2-25173) 5 MCWP-04D	Water	09/22/16 11:15	09/23/16 10:20

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	5.0	2.2	ug/L	EPA 300.1	10/19/16 11:28	ara	
Chlorite	ND	0.020	0.00091	mg/L	EPA 300.1	10/19/16 11:28	ara	N_HTa
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 19:40	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 19:40	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 19:40	JHR	
Surrogate: 4-Terphenyl-d14	92.1	% 70-130			EPA 525.2	09/29/16 19:40	JHR	
Surrogate: Triphenyl phosphate	94.8	% 50-150			EPA 525.2	09/29/16 19:40	JHR	

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

Analytical Report: Page 3 of 6

Project Name: No Project

Project Number: SP 1611294 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2278

Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number

B6I2278-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611294 - (2-25173) 6 MCWP-07D	Water	09/22/16 08:30	09/23/16 10:20

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	5.0	2.2	ug/L	EPA 300.1	10/19/16 12:37	ara	
Chlorite	0.024	0.020	0.00091	mg/L	EPA 300.1	10/19/16 12:37	ara	N_HTa
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 20:05	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 20:05	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 20:05	JHR	
Surrogate: 4-Terphenyl-d14	95.2	%	70-130		EPA 525.2	09/29/16 20:05	JHR	
Surrogate: Triphenyl phosphate	101	%	50-150		EPA 525.2	09/29/16 20:05	JHR	

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

Analytical Report: Page 4 of 6
Project Name: No Project

Project Number: SP 1611294 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2278

Received on Ice (Y/N): Yes Temp: 4 °C

Oxyhalides - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 6J18109 - Analyzed as Received IC										
Blank (6J18109-BLK1)				Prepared & Analyzed: 10/19/16						
Bromate	ND	5.0	2.2	ug/L						
Chlorite	ND	0.020	0.00091	mg/L						
Surrogate: Dichloroacetate	1.04			mg/L	1.00	104	90-115			
LCS (6J18109-BS1)				Prepared & Analyzed: 10/19/16						
Bromate	14.2	5.0	2.2	ug/L	15.0	94.5	75-125			
Chlorite	0.196	0.020	0.00091	mg/L	0.200	98.1	85-115			
Surrogate: Dichloroacetate	1.03			mg/L	1.00	103	90-115			
Duplicate (6J18109-DUP1)				Source: B6I2959-01		Prepared & Analyzed: 10/19/16				
Bromate	ND	5.0	2.2	ug/L	ND				20	
Chlorite	ND	0.020	0.00091	mg/L	ND				10	
Surrogate: Dichloroacetate	0.927			mg/L	1.00	92.7	90-115			
Duplicate (6J18109-DUP2)				Source: B6I2278-01		Prepared & Analyzed: 10/19/16				
Bromate	ND	5.0	2.2	ug/L	ND				20	
Chlorite	ND	0.020	0.00091	mg/L	ND				10	
Surrogate: Dichloroacetate	0.903			mg/L	1.00	90.3	90-115			
Matrix Spike (6J18109-MS1)				Source: B6I2959-01		Prepared & Analyzed: 10/19/16				
Bromate	16.9	10	4.5	ug/L	30.0	ND	56.5	75-125		QFnt, QMout
Chlorite	0.408	0.040	0.0018	mg/L	0.400	ND	102	75-125		
Surrogate: Dichloroacetate	1.92			mg/L	2.00	95.9	90-115			
Matrix Spike (6J18109-MS2)				Source: B6I2278-01		Prepared & Analyzed: 10/19/16				
Bromate	25.6	10	4.5	ug/L	30.0	ND	85.4	75-125		
Chlorite	0.340	0.040	0.0018	mg/L	0.400	ND	85.1	75-125		
Surrogate: Dichloroacetate	1.90			mg/L	2.00	95.0	90-115			

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

Analytical Report: Page 5 of 6
Project Name: No Project

Project Number: SP 1611294 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: **B6I2278**

Received on Ice (Y/N): Yes Temp: 4 °C

Semivolatile Organic Compounds by EPA 525.2 - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 6I28079 - EPA 525 Disk Extract										
Blank (6I28079-BLK1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	ND	0.10	0.090	ug/L						
DEH-Adipate	ND	5.0	0.18	ug/L						
DEH-Phthalate	ND	3.0	0.81	ug/L						
Surrogate: 4-Terphenyl-d14	5.2			ug/L	5.00	104	70-130			
Surrogate: Triphenyl phosphate	5.6			ug/L	5.00	112	50-150			
LCS (6I28079-BS1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	4.91	0.10	0.090	ug/L	5.00	98.1	70-136			
DEH-Adipate	5.80	5.0	0.18	ug/L	5.00	116	70-159			
DEH-Phthalate	5.04	3.0	0.81	ug/L	5.00	101	70-137			
Surrogate: 4-Terphenyl-d14	4.7			ug/L	5.00	94.8	70-130			
Surrogate: Triphenyl phosphate	5.2			ug/L	5.00	104	50-150			
LCS Dup (6I28079-BSD1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	5.07	0.10	0.090	ug/L	5.00	101	70-136	3.26	40	
DEH-Adipate	6.48	5.0	0.18	ug/L	5.00	130	70-159	11.0	40	
DEH-Phthalate	5.42	3.0	0.81	ug/L	5.00	108	70-137	7.26	40	
Surrogate: 4-Terphenyl-d14	4.6			ug/L	5.00	91.2	70-130			
Surrogate: Triphenyl phosphate	5.0			ug/L	5.00	101	50-150			
Matrix Spike (6I28079-MS1)				Source: B6I2654-01		Prepared: 09/28/16 Analyzed: 09/29/16		Q_nes		
Benzo(a)pyrene	4.52	0.10	0.090	ug/L	4.76	ND	95.0	61-138		
DEH-Adipate	8.30	5.0	0.18	ug/L	4.76	ND	174	70-159		QMint
DEH-Phthalate	5.95	3.0	0.81	ug/L	4.76	ND	125	70-142		
Surrogate: 4-Terphenyl-d14	5.2			ug/L	4.76	110	70-130			
Surrogate: Triphenyl phosphate	6.9			ug/L	4.76	144	50-150			

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

Analytical Report: Page 6 of 6

Project Name: No Project

Project Number: SP 1611294 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2278

Received on Ice (Y/N): Yes Temp: 4 °C

Notes and Definitions

N_HTa Sample analyzed outside of the EPA recommended holding time.

Q_nes Insufficient sample for the sample duplicate and/or MS/MSD analysis.

QFnt The referenced sample did not require this QC analyte, so a follow-up is not needed.

QMint Due to matrix interference, the MS and/or MSD did not meet laboratory acceptance criteria.

QMout MS and/or MSD recovery did not meet laboratory acceptance criteria.

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

* / " : NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Nancy H. Boulineau For Cindy A. Waddell

cc:

e-Standard_No Alias.rpt

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



Analytical Report: Page 1 of 1
Project Name: No Project
Project Number: SP 1611294 - (2-25173)

Work Order Number: B6I2278

Received on Ice (Y/N): Yes Temp: 4 °C

[illegible]

PL6I2278 AB
SEP 23 2016

October 25, 2016

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

Subject: Subcontract Analyses for FGL Lab No. SP 1611199

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

- Sub Organic-EPA 525
- Sub Inorganic-Bromate, Chlorite, Low-Level

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: 2016-10-25

Enclosure

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

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

Analytical Report: Page 1 of 8

Project Name: No Project

Project Number: SP 1611199 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2157

Received on Ice (Y/N): Yes Temp: 2 °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

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
B6I2157-01	SP 1611199 - (2-25173) 2 MCWP-MW04S Grab	Water	09/21/16 12:45	Rincon (Field)	09/22/16 09:51	Courier (OnTrac)
B6I2157-02	SP 1611199 - (2-25173) 4 SMBRP-12 Grab	Water	09/21/16 10:10	Rincon (Field)	09/22/16 09:51	Courier (OnTrac)
B6I2157-03	SP 1611199 - (2-25173) 7 MCWP-MW09 Grab	Water	09/21/16 11:30	Rincon (Field)	09/22/16 09:51	Courier (OnTrac)
B6I2157-04	SP 1611199 - (2-25173) 8 TY-MW-1 Grab	Water	09/21/16 08:30	Rincon (Field)	09/22/16 09:51	Courier (OnTrac)

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

Analytical Report: Page 2 of 8
 Project Name: No Project

Project Number: SP 1611199 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2157

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number

B6I2157-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611199 - (2-25173) 2 MCWP-MW04S	Water	09/21/16 12:45	09/22/16 9:51

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	50	22	ug/L	EPA 300.1	10/19/16 16:56	ara	N_RLm
Chlorite	ND	0.20	0.0091	mg/L	EPA 300.1	10/19/16 16:56	ara	N_HTa, N_RLm
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 15:55	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 15:55	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 15:55	JHR	
Surrogate: 4-Terphenyl-d14	95.8	% 70-130			EPA 525.2	09/29/16 15:55	JHR	
Surrogate: Triphenyl phosphate	116	% 50-150			EPA 525.2	09/29/16 15:55	JHR	

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

Analytical Report: Page 3 of 8
 Project Name: No Project

Project Number: SP 1611199 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2157

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number

B6I2157-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611199 - (2-25173) 4 SMBRP-12	Water	09/21/16 10:10	09/22/16 9:51

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	50	22	ug/L	EPA 300.1	10/19/16 17:31	ara	N_RLm
Chlorite	ND	0.20	0.0091	mg/L	EPA 300.1	10/19/16 17:31	ara	N_HTa, N_RLm
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 16:20	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 16:20	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 16:20	JHR	
Surrogate: 4-Terphenyl-d14	91.3	%	70-130		EPA 525.2	09/29/16 16:20	JHR	
Surrogate: Triphenyl phosphate	105	%	50-150		EPA 525.2	09/29/16 16:20	JHR	

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

Analytical Report: Page 4 of 8
 Project Name: No Project

Project Number: SP 1611199 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2157

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number

B6I2157-03

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611199 - (2-25173) 7 MCWP-MW09	Water	09/21/16 11:30	09/22/16 9:51

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	50	22	ug/L	EPA 300.1	10/19/16 22:58	ara	N_RLm
Chlorite	ND	0.20	0.0091	mg/L	EPA 300.1	10/19/16 22:58	ara	N_HTa, N_RLm
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 16:45	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 16:45	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 16:45	JHR	
Surrogate: 4-Terphenyl-d14	96.6	%	70-130		EPA 525.2	09/29/16 16:45	JHR	
Surrogate: Triphenyl phosphate	90.2	%	50-150		EPA 525.2	09/29/16 16:45	JHR	

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

Analytical Report: Page 5 of 8
 Project Name: No Project

Project Number: SP 1611199 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2157

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number

B6I2157-04

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611199 - (2-25173) 8 TY-MW-1	Water	09/21/16 08:30	09/22/16 9:51

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	25	11	ug/L	EPA 300.1	10/19/16 18:40	ara	N_RLm
Chlorite	ND	0.10	0.0046	mg/L	EPA 300.1	10/19/16 18:40	ara	N_HTa, N_RLm
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 17:10	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 17:10	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 17:10	JHR	
Surrogate: 4-Terphenyl-d14	105	% 70-130			EPA 525.2	09/29/16 17:10	JHR	
Surrogate: Triphenyl phosphate	126	% 50-150			EPA 525.2	09/29/16 17:10	JHR	

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
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Santa Paula, CA 93060

Analytical Report: Page 6 of 8
Project Name: No Project

Project Number: SP 1611199 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2157

Received on Ice (Y/N): Yes Temp: 2 °C

Oxyhalides - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 6J18109 - Analyzed as Received IC										
Blank (6J18109-BLK1)				Prepared & Analyzed: 10/19/16						
Bromate	ND	5.0	2.2	ug/L						
Chlorite	ND	0.020	0.00091	mg/L						
Surrogate: Dichloroacetate	1.04			mg/L	1.00	104	90-115			
LCS (6J18109-BS1)				Prepared & Analyzed: 10/19/16						
Bromate	14.2	5.0	2.2	ug/L	15.0	94.5	75-125			
Chlorite	0.196	0.020	0.00091	mg/L	0.200	98.1	85-115			
Surrogate: Dichloroacetate	1.03			mg/L	1.00	103	90-115			
Duplicate (6J18109-DUP1)				Source: B6I2959-01		Prepared & Analyzed: 10/19/16				
Bromate	ND	5.0	2.2	ug/L	ND				20	
Chlorite	ND	0.020	0.00091	mg/L	ND				10	
Surrogate: Dichloroacetate	0.927			mg/L	1.00	92.7	90-115			
Duplicate (6J18109-DUP2)				Source: B6I2278-01		Prepared & Analyzed: 10/19/16				
Bromate	ND	5.0	2.2	ug/L	ND				20	
Chlorite	ND	0.020	0.00091	mg/L	ND				10	
Surrogate: Dichloroacetate	0.903			mg/L	1.00	90.3	90-115			
Matrix Spike (6J18109-MS1)				Source: B6I2959-01		Prepared & Analyzed: 10/19/16				
Bromate	16.9	10	4.5	ug/L	30.0	ND	56.5	75-125		QFnt, QMout
Chlorite	0.408	0.040	0.0018	mg/L	0.400	ND	102	75-125		
Surrogate: Dichloroacetate	1.92			mg/L	2.00	95.9	90-115			
Matrix Spike (6J18109-MS2)				Source: B6I2278-01		Prepared & Analyzed: 10/19/16				
Bromate	25.6	10	4.5	ug/L	30.0	ND	85.4	75-125		
Chlorite	0.340	0.040	0.0018	mg/L	0.400	ND	85.1	75-125		
Surrogate: Dichloroacetate	1.90			mg/L	2.00	95.0	90-115			

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

Analytical Report: Page 7 of 8
Project Name: No Project

Project Number: SP 1611199 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: **B6I2157**

Received on Ice (Y/N): Yes Temp: 2 °C

Semivolatile Organic Compounds by EPA 525.2 - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 6I28079 - EPA 525 Disk Extract										
Blank (6I28079-BLK1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	ND	0.10	0.090	ug/L						
DEH-Adipate	ND	5.0	0.18	ug/L						
DEH-Phthalate	ND	3.0	0.81	ug/L						
Surrogate: 4-Terphenyl-d14	5.2			ug/L	5.00	104	70-130			
Surrogate: Triphenyl phosphate	5.6			ug/L	5.00	112	50-150			
LCS (6I28079-BS1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	4.91	0.10	0.090	ug/L	5.00	98.1	70-136			
DEH-Adipate	5.80	5.0	0.18	ug/L	5.00	116	70-159			
DEH-Phthalate	5.04	3.0	0.81	ug/L	5.00	101	70-137			
Surrogate: 4-Terphenyl-d14	4.7			ug/L	5.00	94.8	70-130			
Surrogate: Triphenyl phosphate	5.2			ug/L	5.00	104	50-150			
LCS Dup (6I28079-BSD1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	5.07	0.10	0.090	ug/L	5.00	101	70-136	3.26	40	
DEH-Adipate	6.48	5.0	0.18	ug/L	5.00	130	70-159	11.0	40	
DEH-Phthalate	5.42	3.0	0.81	ug/L	5.00	108	70-137	7.26	40	
Surrogate: 4-Terphenyl-d14	4.6			ug/L	5.00	91.2	70-130			
Surrogate: Triphenyl phosphate	5.0			ug/L	5.00	101	50-150			
Matrix Spike (6I28079-MS1)				Source: B6I2654-01		Prepared: 09/28/16 Analyzed: 09/29/16		Q_nes		
Benzo(a)pyrene	4.52	0.10	0.090	ug/L	4.76	ND	95.0	61-138		
DEH-Adipate	8.30	5.0	0.18	ug/L	4.76	ND	174	70-159		QMint
DEH-Phthalate	5.95	3.0	0.81	ug/L	4.76	ND	125	70-142		
Surrogate: 4-Terphenyl-d14	5.2			ug/L	4.76	110	70-130			
Surrogate: Triphenyl phosphate	6.9			ug/L	4.76	144	50-150			

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

Analytical Report: Page 8 of 8

Project Name: No Project

Project Number: SP 1611199 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2157

Received on Ice (Y/N): Yes Temp: 2 °C

Notes and Definitions

N_HTa Sample analyzed outside of the EPA recommended holding time.

N_RLm Due to sample matrix, the reporting limit has been raised.

Q_nes Insufficient sample for the sample duplicate and/or MS/MSD analysis.

QFnt The referenced sample did not require this QC analyte, so a follow-up is not needed.

QMint Due to matrix interference, the MS and/or MSD did not meet laboratory acceptance criteria.

QMout MS and/or MSD recovery did not meet laboratory acceptance criteria.

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

* / " : NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Nancy H. Boulineau For Cindy A. Waddell

cc:

e-Standard_No Alias.rpt

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



Analytical Report: Page 1 of 1
Project Name: No Project
Project Number: SP 1611199 - (2-25173)

Work Order Number: B6I2157

Received on Ice (Y/N): Yes Temp: 2 °C

Subcontract to
Babcock Laboratories, Inc.

[illegible]

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

October 25, 2016

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

Subject: Subcontract Analyses for FGL Lab No. SP 1611120

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

- Sub Organic-EPA 525
- Sub Inorganic-Bromate, Chlorite, Low-Level

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: 2016-10-25

Enclosure

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

Analytical Report: Page 1 of 7
Project Name: No Project

Project Number: SP 1611120 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2172

Received on Ice (Y/N): Yes Temp: 2 °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

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
B6I2172-01	SP 1611120 - (2-25173) 1 SMBRP-9 Grab	Water	09/20/16 08:30	Client	09/22/16 09:51	Courier (OnTrac)
B6I2172-02	SP 1611120 - (2-25173) 3 MCWP-MW07S Grab	Water	09/20/16 11:10	Client	09/22/16 09:51	Courier (OnTrac)
B6I2172-03	SP 1611120 - (2-25173) 9 LAMW-5S Grab	Water	09/20/16 10:00	Client	09/22/16 09:51	Courier (OnTrac)

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

Analytical Report: Page 2 of 7
 Project Name: No Project

Project Number: SP 1611120 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2172

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number

B6I2172-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611120 - (2-25173) 1 SMBRP-9	Water	09/20/16 08:30	09/22/16 9:51

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	25	11	ug/L	EPA 300.1	10/19/16 19:15	ara	N_HTa, N_RLm
Chlorite	ND	0.10	0.0046	mg/L	EPA 300.1	10/19/16 19:15	ara	N_HTa, N_RLm
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 17:35	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 17:35	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 17:35	JHR	
Surrogate: 4-Terphenyl-d14	97.6	%	70-130		EPA 525.2	09/29/16 17:35	JHR	
Surrogate: Triphenyl phosphate	106	%	50-150		EPA 525.2	09/29/16 17:35	JHR	

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

Analytical Report: Page 3 of 7
 Project Name: No Project

Project Number: SP 1611120 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2172

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number

B6I2172-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611120 - (2-25173) 3 MCWP-MW07S	Water	09/20/16 11:10	09/22/16 9:51

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	5.0	2.2	ug/L	EPA 300.1	10/19/16 10:19	ara	N_HTa
Chlorite	ND	0.020	0.00091	mg/L	EPA 300.1	10/19/16 10:19	ara	N_HTa
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 18:00	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 18:00	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 18:00	JHR	
Surrogate: 4-Terphenyl-d14	103	%	70-130		EPA 525.2	09/29/16 18:00	JHR	
Surrogate: Triphenyl phosphate	111	%	50-150		EPA 525.2	09/29/16 18:00	JHR	

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

Analytical Report: Page 4 of 7
 Project Name: No Project

Project Number: SP 1611120 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2172

Received on Ice (Y/N): Yes Temp: 2 °C

Laboratory Reference Number

B6I2172-03

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received Date/Time</u>
SP 1611120 - (2-25173) 9 LAMW-5S	Water	09/20/16 10:00	09/22/16 9:51

Analyte(s)	Result	RDL	MDL	Units	Method	Analysis Date	Analyst	Flag
Oxyhalides								
Bromate	ND	5.0	2.2	ug/L	EPA 300.1	10/19/16 10:53	ara	N_HTa
Chlorite	ND	0.020	0.00091	mg/L	EPA 300.1	10/19/16 10:53	ara	N_HTa
Semivolatile Organic Compounds by EPA 525.2								
Benzo(a)pyrene	ND	0.10	0.090	ug/L	EPA 525.2	09/29/16 18:25	JHR	
DEH-Adipate	ND	5.0	0.18	ug/L	EPA 525.2	09/29/16 18:25	JHR	
DEH-Phthalate	ND	3.0	0.81	ug/L	EPA 525.2	09/29/16 18:25	JHR	
Surrogate: 4-Terphenyl-d14	103	% 70-130			EPA 525.2	09/29/16 18:25	JHR	
Surrogate: Triphenyl phosphate	107	% 50-150			EPA 525.2	09/29/16 18:25	JHR	

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

Analytical Report: Page 5 of 7
Project Name: No Project

Project Number: SP 1611120 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2172

Received on Ice (Y/N): Yes Temp: 2 °C

Oxyhalides - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 6J18109 - Analyzed as Received IC										
Blank (6J18109-BLK1)				Prepared & Analyzed: 10/19/16						
Bromate	ND	5.0	2.2	ug/L						
Chlorite	ND	0.020	0.00091	mg/L						
Surrogate: Dichloroacetate	1.04			mg/L	1.00	104	90-115			
LCS (6J18109-BS1)				Prepared & Analyzed: 10/19/16						
Bromate	14.2	5.0	2.2	ug/L	15.0	94.5	75-125			
Chlorite	0.196	0.020	0.00091	mg/L	0.200	98.1	85-115			
Surrogate: Dichloroacetate	1.03			mg/L	1.00	103	90-115			
Duplicate (6J18109-DUP1)				Source: B6I2959-01		Prepared & Analyzed: 10/19/16				
Bromate	ND	5.0	2.2	ug/L	ND				20	
Chlorite	ND	0.020	0.00091	mg/L	ND				10	
Surrogate: Dichloroacetate	0.927			mg/L	1.00	92.7	90-115			
Duplicate (6J18109-DUP2)				Source: B6I2278-01		Prepared & Analyzed: 10/19/16				
Bromate	ND	5.0	2.2	ug/L	ND				20	
Chlorite	ND	0.020	0.00091	mg/L	ND				10	
Surrogate: Dichloroacetate	0.903			mg/L	1.00	90.3	90-115			
Matrix Spike (6J18109-MS1)				Source: B6I2959-01		Prepared & Analyzed: 10/19/16				
Bromate	16.9	10	4.5	ug/L	30.0	ND	56.5	75-125		QFnt, QMout
Chlorite	0.408	0.040	0.0018	mg/L	0.400	ND	102	75-125		
Surrogate: Dichloroacetate	1.92			mg/L	2.00	95.9	90-115			
Matrix Spike (6J18109-MS2)				Source: B6I2278-01		Prepared & Analyzed: 10/19/16				
Bromate	25.6	10	4.5	ug/L	30.0	ND	85.4	75-125		
Chlorite	0.340	0.040	0.0018	mg/L	0.400	ND	85.1	75-125		
Surrogate: Dichloroacetate	1.90			mg/L	2.00	95.0	90-115			

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

Analytical Report: Page 6 of 7
Project Name: No Project

Project Number: SP 1611120 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: **B6I2172**

Received on Ice (Y/N): Yes Temp: 2 °C

Semivolatile Organic Compounds by EPA 525.2 - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 6I28079 - EPA 525 Disk Extract										
Blank (6I28079-BLK1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	ND	0.10	0.090	ug/L						
DEH-Adipate	ND	5.0	0.18	ug/L						
DEH-Phthalate	ND	3.0	0.81	ug/L						
Surrogate: 4-Terphenyl-d14	5.2			ug/L	5.00	104	70-130			
Surrogate: Triphenyl phosphate	5.6			ug/L	5.00	112	50-150			
LCS (6I28079-BS1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	4.91	0.10	0.090	ug/L	5.00	98.1	70-136			
DEH-Adipate	5.80	5.0	0.18	ug/L	5.00	116	70-159			
DEH-Phthalate	5.04	3.0	0.81	ug/L	5.00	101	70-137			
Surrogate: 4-Terphenyl-d14	4.7			ug/L	5.00	94.8	70-130			
Surrogate: Triphenyl phosphate	5.2			ug/L	5.00	104	50-150			
LCS Dup (6I28079-BSD1)				Prepared: 09/28/16 Analyzed: 09/29/16						
Benzo(a)pyrene	5.07	0.10	0.090	ug/L	5.00	101	70-136	3.26	40	
DEH-Adipate	6.48	5.0	0.18	ug/L	5.00	130	70-159	11.0	40	
DEH-Phthalate	5.42	3.0	0.81	ug/L	5.00	108	70-137	7.26	40	
Surrogate: 4-Terphenyl-d14	4.6			ug/L	5.00	91.2	70-130			
Surrogate: Triphenyl phosphate	5.0			ug/L	5.00	101	50-150			
Matrix Spike (6I28079-MS1)				Source: B6I2654-01				Prepared: 09/28/16 Analyzed: 09/29/16		
Benzo(a)pyrene	4.52	0.10	0.090	ug/L	4.76	ND	95.0	61-138		Q_nes
DEH-Adipate	8.30	5.0	0.18	ug/L	4.76	ND	174	70-159		QMint
DEH-Phthalate	5.95	3.0	0.81	ug/L	4.76	ND	125	70-142		
Surrogate: 4-Terphenyl-d14	5.2			ug/L	4.76	110	70-130			
Surrogate: Triphenyl phosphate	6.9			ug/L	4.76	144	50-150			

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

Analytical Report: Page 7 of 7
Project Name: No Project

Project Number: SP 1611120 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2172

Received on Ice (Y/N): Yes Temp: 2 °C

Notes and Definitions

N_HTa Sample analyzed outside of the EPA recommended holding time.

N_RLm Due to sample matrix, the reporting limit has been raised.

Q_nes Insufficient sample for the sample duplicate and/or MS/MSD analysis.

QFnt The referenced sample did not require this QC analyte, so a follow-up is not needed.

QMint Due to matrix interference, the MS and/or MSD did not meet laboratory acceptance criteria.

QMout MS and/or MSD recovery did not meet laboratory acceptance criteria.

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

* / " : NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Nancy H. Boulineau For Cindy A. Waddell

cc:

e-Standard_No Alias.rpt

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

Analytical Report: Page 1 of 1
Project Name: No Project
Project Number: SP 1611120 - (2-25173)

Report Date: 25-Oct-2016

Work Order Number: B6I2172

Received on Ice (Y/N): Yes Temp: 2 °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 1611120 - (2-25173) Purchase Order Number:				Map Ref:														
Sampler(s) Compositor Setup Date: / / Time: :				Method of Sampling: Composite (C) Grab (G) Type of Sample: **SEE REVERSE SIDE** Potable (P) Non-Potable (NP) Ag Water (Ag W) Bacteri: Other (O) System (SYS) Source (SR) Waste (W) Bacteri 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 Sub Inorganic-Bromate, Chlorite, Low-Level Please include MDL Reporting 40ml (VOA)-Ethylene diamine														
Lab Number:																		
Samp Num	Location Description	Date Sampled	Time Sampled	G	L	B	W											
0	Travel Blank	09/20/16	00:00	G	L	B	W											
1	SMBRP-9	09/20/16	08:30	G	M	W												
3	MCWP-MW07S	09/20/16	11:10	G	M	W												
9	LAMW-3S	09/20/16	10:00	G	M	W												
Remarks:				Relinquished Date: Time: Relinquished Date: Time: Relinquished Date: Time: 9/21/16 17:30 Outrac Received By: Date: Time: Received By: Date: Time: Received By: Date: Time: Outrac ↓ ↓ (Cindy Aguirre) 9/22/16 9:51														

B6I2172 AB
SEP 22 2016

December 29, 2016

Rincon Consultants, Inc.

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

SP 1615252:1-10 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 1615252-001	N-001	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 14:40	12/20/2016 16:39 LMM	12/23/2016 LMM
2	SP 1615252-002	N-002	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 14:50	12/20/2016 16:41 LMM	12/22/2016 LMM
3	SP 1615252-003	N-003	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 12:35	12/20/2016 16:43 LMM	12/23/2016 LMM
4	SP 1615252-004	N-004	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 15:00	12/20/2016 16:45 LMM	12/24/2016 LMM
5	SP 1615252-005	L-001	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 11:50	12/20/2016 16:47 LMM	12/24/2016 LMM
6	SP 1615252-006	L-002	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 13:50	12/20/2016 16:49 LMM	12/23/2016 LMM
7	SP 1615252-007	L-003	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 12:10	12/20/2016 16:51 LMM	12/24/2016 LMM
8	SP 1615252-008	L-004	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 13:15	12/20/2016 16:53 LMM	12/23/2016 LMM
9	SP 1615252-009	L-005	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 12:25	12/20/2016 16:40 LM	12/23/2016 LM
10	SP 1615252-010	L-006	Source-Other	Peter Shellenbarger	Not Available	12/20/2016 13:35	12/20/2016 16:42 LM	12/22/2016 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	N-001	---	---	SM 9221B	MPN/100ml	49	49	---	N/R			
2	N-002	---	---	SM 9221B	MPN/100ml	< 1.8	< 1.8	---	N/R			
3	N-003	---	---	SM 9221B	MPN/100ml	79	79	---	N/R			
4	N-004	---	---	SM 9221B	MPN/100ml	7.8	< 1.8	---	N/R			
5	L-001	---	---	SM 9221B	MPN/100ml	> 1600	49	---	N/R			
6	L-002	---	---	SM 9221B	MPN/100ml	> 1600	240	---	N/R			
7	L-003	---	---	SM 9221B	MPN/100ml	220	31	---	N/R			
8	L-004	---	---	SM 9221B	MPN/100ml	540	79	---	N/R			
9	L-005	---	---	SM 9221B	MPN/100ml	350	49	---	N/R			
10	L-006	---	---	SM 9221B	MPN/100ml	130	14	---	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
 Title: Tech Director Microbiology
 Date: 2016-12-29



Corporate Offices & Laboratory

853 Corporation Street
 Santa Paula, CA 93060
 TEL: (805)392-2066
 Env FAX: (805)392-1122 / 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 93201
 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

January 11, 2017

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

Lab ID : SP 1615252
 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	12/20/2016	12/20/2016	SP 1615252-001	SW
N-002	12/20/2016	12/20/2016	SP 1615252-002	SW
N-003	12/20/2016	12/20/2016	SP 1615252-003	SW
N-004	12/20/2016	12/20/2016	SP 1615252-004	SW
L-001	12/20/2016	12/20/2016	SP 1615252-005	SW
L-002	12/20/2016	12/20/2016	SP 1615252-006	SW
L-003	12/20/2016	12/20/2016	SP 1615252-007	SW
L-004	12/20/2016	12/20/2016	SP 1615252-008	SW
L-005	12/20/2016	12/20/2016	SP 1615252-009	SW
L-006	12/20/2016	12/20/2016	SP 1615252-010	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 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

351.2	12/21/2016:215196 All preparation quality controls are within established criteria
4500NH3G	12/21/2016:218461 All analysis quality controls are within established criteria
	12/21/2016:215195 All preparation quality controls are within established criteria
4500NO2F	12/21/2016:215253 All preparation quality controls are within established criteria

January 11, 2017
Rincon Consultants, Inc.

Lab ID : SP 1615252
Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO3F	12/21/2016:218510 All analysis quality controls are within established criteria
	12/21/2016:218511 All analysis quality controls are within established criteria
	12/21/2016:215252 All preparation quality controls are within established criteria
4500-P B	01/04/2017:200111 All preparation quality controls are within established criteria
4500PE	01/05/2017:200131 All analysis quality controls are within established criteria
EPA351.2	12/21/2016:218486 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: 2017-01-11

January 11, 2017

Lab ID : SP 1615252-001

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-14:40

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : N-001

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-12:47JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-12:44JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:47AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:47AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-10:57AMB
Phosphorus, Total	1.01	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:18SJN
DQF Flags Definition:												
U Constituent results were non-detect.												

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

January 11, 2017

Lab ID : SP 1615252-002

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-14:50

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : N-002

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1	U	4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-12:49JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1		4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-12:46JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1		4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:49AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1		4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:49AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1		351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-10:58AMB
Phosphorus, Total	1.35	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:19SJN
DQF Flags Definition:												
U Constituent results were non-detect.												

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

January 11, 2017

Lab ID : SP 1615252-003

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-12:35

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : N-003

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-12:53JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-12:51JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:52AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:52AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-10:59AMB
Phosphorus, Total	1.31	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:20SJN
DQF Flags Definition:												
U Constituent results were non-detect.												

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

January 11, 2017

Lab ID : SP 1615252-004

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-15:00

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : N-004

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	0.0700	0.1	0.032	mg/L	1	J	4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-12:55JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-12:53JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:54AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:54AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-11:00AMB
Phosphorus, Total	1.29	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:21SJN
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.

January 11, 2017

Lab ID : SP 1615252-005

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-11:50

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : L-001

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	3.20	0.1	0.032	mg/L	1		4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-12:51JDD
Nitrite Nitrogen	0.0480	0.1	0.011	mg/L	1	J	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-12:49JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:56AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:56AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-11:04AMB
Phosphorus, Total	0.934	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:22SJN
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.

January 11, 2017

Lab ID : SP 1615252-006

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-13:50

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : L-002

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	1.60	0.1	0.032	mg/L	1		4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-12:57JDD
Nitrite Nitrogen	0.0290	0.1	0.011	mg/L	1	J	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-12:55JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:59AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-07:59AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-11:05AMB
Phosphorus, Total	0.621	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:25SJN
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.

January 11, 2017

Lab ID : SP 1615252-007

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-12:10

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : L-003

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	2.70	0.1	0.032	mg/L	1		4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-13:00JDD
Nitrite Nitrogen	0.0470	0.1	0.011	mg/L	1	J	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-12:57JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-08:11AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-08:11AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-11:06AMB
Phosphorus, Total	0.984	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:26SJM
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.

January 11, 2017

Lab ID : SP 1615252-008

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-13:15

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : L-004

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	2.40	0.1	0.032	mg/L	1		4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-13:02JDD
Nitrite Nitrogen	0.0580	0.1	0.011	mg/L	1	J	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-12:59JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-08:12AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-08:12AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-11:07AMB
Phosphorus, Total	0.833	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:27SJN
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.

January 11, 2017

Lab ID : SP 1615252-009

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-12:25

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : L-005

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	2.50	0.1	0.032	mg/L	1		4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-13:15JDD
Nitrite Nitrogen	0.0550	0.1	0.011	mg/L	1	J	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-13:13JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-08:20AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-08:20AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-11:08AMB
Phosphorus, Total	0.865	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:28SJN
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.

January 11, 2017

Lab ID : SP 1615252-010

Customer ID : 2-25173

Rincon Consultants, Inc.

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

Sampled On : December 20, 2016-13:35

Sampled By : Peter Shellenbarger

Received On : December 20, 2016-16:20

Matrix : Surface Water

Description : L-006

Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Nitrate Nitrogen	0.300	0.1	0.032	mg/L	1		4500NO3F	215252	12/21/16 11:30	4500NO3F	218511-FI207	12/21/16-13:17JDD
Nitrite Nitrogen	0.0250	0.1	0.011	mg/L	1	J	4500NO2F	215253	12/21/16 11:30	4500NO3F	218510-FI207	12/21/16-13:14JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	JU	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-08:22AMB
Ammonia Nitrogen	0.116	0.2	0.072	mg/L	1	J	4500NH3G	215195	12/21/16 05:50	4500NH3G	218461-FI207	12/21/16-08:22AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	215196	12/21/16 06:22	EPA351.2	218486-FI206	12/21/16-11:09AMB
Phosphorus, Total	0.287	0.1	0.031	mg/L	1		4500-P B	200111	01/04/17 16:40	4500PE	200131-UV205	01/05/17-17:29SJM
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.

January 11, 2017
Rincon Consultants, Inc.

Lab ID : SP 1615252
 Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	12/21/16:215196jmg (SP 1615148-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	 12.00 12.00 12.00 12.00	ND 75.5 % 79.7 % 85.8 % 6.7%	<1 73-124 54-136 54-136 ≤27	
Ammonia Nitrogen	4500NH3G	(CC 1684252-001) (SP 1615252-009)	MS MSD MSRPD MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L mg/L	2.000 2.000 2.000 2.000 2.000 2.000	108 % 106 % 1.6 % 104 % 102 % 2.3 %	70-130 70-130 ≤20 70-130 70-130 ≤20	
	4500NH3G	12/21/16:218461AMB	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	 2.000 2.000 2.000	-0.043 95.4 % -0.067 107 % -0.064 106 %	0.2 90-110 0.2 90-110 0.2 90-110	
Nitrite as Nitrogen	4500NO2F	(SP 1615242-001)	MS MSD MSRPD	mg/L mg/L mg/L	1.218 1.218 1.218	97.4 % 98.0 % 0.7 %	50-150 50-150 ≤30	
Nitrate + Nitrite as N	4500NO3F	(SP 1615242-001)	MS MSD MSRPD	mg/L mg/L mg/L	11.22 11.22 11.22	92.6 % 95.1 % 2.4 %	5-285 5-285 ≤30.4	
	4500NO3F	12/21/16:218511JDD	CCB CCV CCB CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 11.22 11.22 11.22 11.22	0.015 94.6 % 0.022 0.016 94.0 % 0.070 94.1 %	0.1 90-110 0.1 0.1 90-110 0.1 90-110	
Nitrite as Nitrogen	4500NO3F	12/21/16:218510JDD	CCB CCV CCB CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	 1.218 1.218 1.218 1.218	0.00500 101 % 0.00500 0.00500 102 % 0.00600 102 %	0.012 90-110 0.012 0.012 90-110 0.012 90-110	
Phosphorus	4500-P B	01/04/17:200111sjn (CC 1684279-001)	Blank LCS MS MSD MSRPD	mg/L mg/L mg/L mg/L mg/L	 0.5000 0.2500 0.2500 0.2500	ND 108 % -1310 % -1190 % 5.0 %	<0.1 90-116 <¼ <¼ ≤13.2	
Total Phosphorus	4500PE	01/05/17:200131SJN	CCB CCV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	 0.5000 0.5000 0.5000	0.022 109 % 0.022 107 % 0.022 106 %	0.1 90-110 0.1 90-110 0.1 90-110	
Nitrogen, Total Kjeldahl	EPA351.2	12/21/16:218486AMB	ICB ICV CCB CCV CCB CCV	mg/L mg/L mg/L mg/L mg/L mg/L	 5.000 5.000 5.000	0.000 90.3 % 0.000 91.5 % 0.000 91.3 %	0.5 90-110 0.5 90-110 0.5 90-110	

January 11, 2017
Rincon Consultants, Inc.

Lab ID : SP 1615252
Customer : 2-25173

Quality Control - Inorganic

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 analyte. 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.
<1/4	: 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.