Malibu Civic Center Wastewater Treatment Facility

2017 Annual Baseline Groundwater + Surface Water Monitoring Report

Rincon Consultants Inc.
February 2018

Submitted to:

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February 28, 2018
Project 15-01587

Craig George
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, CA 90265

Subject: **2017 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 2017 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 2017 Annual Baseline Groundwater and Surface Water Monitoring Report.

Sincerely,
RINCON CONSULTANTS, INC.

Kiernan Brtalik, CPSWQ, QSD/P
Environmental Scientist

Torin Snyder, PG, CHG, TOR, QSD/P
Principal

"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 28 day of February at 2018

_____ Signature

Environmental Sustainability Dir. Title

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1.0 INTRODUCTION

This report presents the results of the 2017 Annual Baseline Groundwater and Surface Water Monitoring 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 and groundwater sampling methodologies, water quality data results, and 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 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, and 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) an 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 2017

The following activities were completed during the 2017 calendar year:

- Prepared and submitted the Fourth Quarter 2016, Annual 2016, First Quarter 2017, Second Quarter 2017, and Third Quarter 2017 Groundwater and Surface Water Monitoring Reports to the LARWQCB.
- Rincon collected and analyzed groundwater samples for MRP compliance (Task I) Third Quarter 2017.
- Rincon collected and analyzed surface water samples for MRP compliance (Task I) First Quarter 2017, Second Quarter 2017, Third Quarter 2017, and Fourth Quarter 2017.
- Rincon collected and analyzed groundwater samples for SNMP compliance (Task III) First Quarter 2017 and Third Quarter 2017.
- Rincon collected and analyzed groundwater samples for MOU compliance (Task IV) First Quarter 2017 and Third Quarter 2017.
- Rincon measured depth to water in the groundwater monitoring wells monthly throughout the 2017 calendar year (Task V).

5.0 GROUNDWATER ELEVATIONS AND GRADIENTS

Rincon measured the depth to water on a monthly basis in 43 groundwater monitoring wells using an electronic water level indicator throughout the 2017 calendar year (Table 1 and Appendix A). Of the 43 groundwater monitoring wells, seven of the wells do not have elevation data for the top of well casing and one well was dry during 2017 (SMBRP-15B). Therefore, groundwater elevations could not be calculated in these eight groundwater wells.

5.1 SHALLOW ZONE

Groundwater elevations ranged from 2.41 feet above mean sea level (amsl) in groundwater monitoring well MCWP-MW10 to 25.38 feet amsl in groundwater monitoring well SMBRP-8 (EC-RC-MW01) (Table 1). The groundwater elevations fluctuated throughout the year when comparing monthly groundwater monitoring wells' elevations, with no clear trend in groundwater elevations throughout the Civic Center area in 2017. Groundwater elevation decreased a maximum of 4.71 feet amsl, from January to December 2017, in groundwater monitoring well SMBRP-10C; and increased a maximum 3.34 feet amsl from January to December 2017, in groundwater monitoring well SMBRP-9. Groundwater monitoring wells in close proximity to Malibu Lagoon and Creek (C-1, C-2, CCPNE, CCPE, CCPSW, P-9, MCWP-MW10, SMBRP-2, and SMBRP-6) mostly 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 0.0043 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 for each month in 2017 as Figures 3 through 14.

5.2 DEEP ZONE

Groundwater elevations ranged from 4.09 feet amsl in groundwater monitoring well MCWP-MW07D to 10.60 feet amsl in groundwater monitoring well MCWP-MW09 (Table 1). Through January to December 2017, groundwater elevation decreased a maximum of 1.62 feet amsl at groundwater monitoring well MCWP-MW03, and increased a maximum 1.79 feet amsl from at groundwater monitoring well MCWP-MW02 when comparing monthly groundwater elevations throughout 2017. As indicated by the lower aquifer groundwater monitoring wells, no clear trend was observed in deep zone groundwater elevations.

5.3 WINTER CANYON

Groundwater elevations ranged from 9.70 feet amsl in groundwater monitoring well SMBRP-11 to 56.32 feet amsl in groundwater monitoring well LAMW-5S (Table 1). Through January to December 2017, groundwater elevation decreased a maximum of 0.84 feet amsl at groundwater monitoring well SMBRP-11 and increased a maximum 1.39 feet amsl at groundwater monitoring well LAMW-5S when comparing monthly groundwater elevations throughout 2017. 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

Ten surface water samples were collected during each quarterly surface water sampling event (March 31, 2017, June 19, 2017, August 29, 2017, and December 28, 2017). 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 near shore 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 directly into lab-supplied containers when possible, or into 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 analyses are shown in the Surface Water Analyses Matrix (Table 2).

6.2 GROUNDWATER SAMPLING METHODOLOGY

Groundwater sampling events took place during the first and third quarter of the 2017 calendar year. The first event occurred on March 28 through March 30, 2017 and the second event occurred on September 12 through September 15, 2017. Fourteen groundwater samples were collected during each of the sampling events.

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, which ever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water was stored in 55 gallon drums approved by Department of Transportation (DOT). Field data are included as 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 sampling occurred on a quarterly basis during the 2017 calendar year (March 31, 2017, June 19, 2017, August 29, 2017, and December 28, 2017). Surface water samples collected during the 2017 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 2017 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 near shore sampling location N-002 to 350 MPN/100 mL at sampling location N-003 with an average concentration of 38.0 MPN/100 mL.

Total coliform concentrations in the surface water of Malibu Lagoon and Creek ranged from 33 MPN/100 mL at L-006 to greater than 1,600 MPN/100 mL at L-001, L-002, L-003, L-004, and L-005 with an average concentration of 806 MPN/100 mL.

6.3.2 Fecal Coliform

During 2017 quarterly surface water monitoring events fecal coliform concentrations in the near shore ranged from less than 1.8 MPN/100 mL at near shore sampling locations N-001, N-002, and N-003 to 79 MPN/100 mL at near shore sampling location N-004 with an average concentration of 12.0 MPN/100 mL.

Fecal coliform concentrations in the Malibu Lagoon and Creek surface water ranged from less than 1.8 MPN/100 mL at sampling location L-001 to greater than 1,600 MPN/100 mL at sampling location L-005 with an average concentration of 139 MPN/100 mL.

6.3.3 Nitrogen

6.3.3.1 Nitrate as Nitrogen

Nitrate as nitrogen concentrations in surface water samples collected at the near shore sampling locations ranged from less than 0.1 milligrams per liter (mg/L), the analytical practical quantification limit (reporting limit), at all sampling locations to 0.2 mg/L at sampling location N-001 with an average concentration of 0.0706 mg/L.

Nitrate as nitrogen concentrations in surface water samples collected at Malibu Lagoon and Creek sampling locations ranged from less than 0.1 mg/L at all sampling locations to 1.5 mg/L at sampling locations L-001 and L-002 with an average concentration of 0.339 mg/L.

6.3.3.2 Other Forms of Nitrogen

Nitrite as nitrogen concentrations in surface water samples collected at the near shore sampling locations ranged from less than 0.1 mg/L to 0.153 mg/L at N-004. Nitrite as nitrogen concentrations at Malibu Lagoon and Creek 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 15). All ammonia concentrations in surface water samples collected at the near shore and the Malibu Lagoon and Creek sampling locations during the 2017 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 2017 calendar year were only detected above the reporting limit of 0.5 mg/L on the March 31, 2017 sampling event at near shore sampling location N-002 (2.25 mg/L) and on the June 19, 2017 sampling event at near shore sampling locations N-001, N-003, and N-004 with concentrations of 0.596 mg/L, 2.25 mg/L, and 0.647 mg/L, respectively, with an average concentration of 1.08 mg/L. TKN concentrations detected in surface water samples collected at Malibu Lagoon and Creek sampling locations during the 2017 calendar year ranged from less than 0.5 mg/L at sampling location L-001, L-002, L-004, and L-005 to 13.6 mg/L at sampling location L-006 with an average concentration of 1.50 mg/L.

Organic nitrogen concentrations in surface water samples collected at the near shore sampling locations during the 2017 calendar year were only detected above the reporting limit of 0.5 mg/L on March 31, 2017 at near shore sampling location N-003 (10.8 mg/L) and on June 19, 2017 at sampling locations N-001, N-002, and N-004 with concentrations of 0.519 mg/L, 2.25 mg/L, and 0.647mg/L, respectively. Organic nitrogen concentrations for surface water samples collected at the Malibu Lagoon and Creek sampling locations during the 2017 calendar year ranged from less than 0.5 mg/L at sampling locations L-001, L-002, L-004, and L-005 to 13.6 mg/L at sampling location L-006 with an average concentration of 1.48 mg/L.

6.3.4 Total Phosphorous

Total phosphorus concentrations detected in surface water samples collected at the near shore sampling locations during the 2017 calendar year ranged from less than 0.1 mg/L at all sampling locations to 2.14 mg/L at sampling location N-002 with an average concentration of 0.975 mg/L.

Total phosphorus concentrations detected in surface water samples collected at Malibu Creek and Lagoon during the 2017 calendar year ranged from less than 0.1 mg/L at sampling locations L-003 and L-004 to 3.50 mg/L at L-006 with an average concentration of 0.494 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 2017 calendar year were analyzed by FGL (March 28 through March 30, 2017 and September 12 through September 15, 2017). 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 the March and September monitoring events, total coliform concentrations in groundwater wells ranged from less than 1.8 MPN/100 mL at seven monitoring well locations to greater than 1,600 MPN/100 mL at monitoring wells LAMW-5S and CCPE with an average concentration of 147 MPN/100 mL. Total coliform was detected above practical quantification limits in all of the groundwater wells monitored in 2017, except for MCWP-MW07S.

6.4.2 Fecal Coliform

Fecal coliform concentrations in groundwater wells were only detected above 1.8 MPN/100 mL (practical quantification limit) in three monitoring well locations during the March 2017 monitoring event and in one monitoring well during the September 2017 monitoring event. Four groundwater monitoring wells detected fecal coliform bacteria: LAMW-5S (170 MPN/100 mL), MBCMW-09 (4.5 MPN/100 mL), MCWP-MW09 (7.8 MPN/100 mL), and CCPE (350 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 to 22.2 mg/L with an average concentration of 3.4 mg/L. Groundwater monitoring wells LAMW-5S and SMBRP-9 had the highest detected nitrate as nitrogen concentrations of 13.6 mg/L and 22.2 mg/L in March, and 16.4 mg/L and 16.6 mg/L in September, respectively.

6.4.3.2 Other forms of Nitrogen

During the March and September monitoring events, nitrite as nitrogen was not detected above the laboratory detection limit of 0.1 mg/L at any of the groundwater monitoring locations. Ammonia concentrations ranged from less than 0.2 mg/L at multiple groundwater monitoring wells to 7.60 mg/L at monitoring well SMBRP-12 with an average concentration of 0.83 mg/L.

Organic nitrogen concentrations were less than 0.5 mg/L (practicable quantification limit) at all groundwater wells except MBCMW-09, MCWP-MW04S, MCWP-MW09, and TY-MW-1, and CCPE. The maximum concentration was detected at monitoring well CCPE (3.60 mg/L) and the total average concentration was 0.62 mg/L. TKN concentrations ranged from less than 0.5 mg/L at multiple groundwater monitoring wells to 7.85 mg/L at monitoring well SMBRP-12 with an average concentration of 1.16 mg/L.

6.4.4 Total Phosphorous

Total phosphorus concentrations in groundwater samples analyzed ranged from less than 0.1 mg/L at monitoring well MCWP-MW10 to 6.08 mg/L at monitoring well TY-MW-1 during March and September monitoring events, with an average concentration of 1.14 mg/L.

6.4.5 Total Dissolved Solids

Total Dissolved Solids (TDS) concentrations in groundwater samples analyzed during the March and September monitoring events ranged from 171 mg/L at monitoring well MCWP-MW05 to 7,700 mg/L at monitoring well CCPE, with an average concentration of 2,752 mg/L.

6.4.6 Boron

Boron concentrations in groundwater samples ranged from 0.325 mg/L at monitoring well LAMW-5S to 2.11 mg/L at monitoring well MCWP-MW04S during the March and September monitoring events, with an average concentration of 0.815 mg/L.

6.4.7 Sulfate

Sulfate concentrations in groundwater samples analyzed ranged from 98.6 mg/L at monitoring well LAMW-5S to 2,880 mg/L at monitoring well MCWP-MW04S during the March and September monitoring events, with an average concentration of 743 mg/L.

6.4.8 Chloride

Chloride concentrations in groundwater samples analyzed ranged from 117 mg/L at monitoring well LAMW-5S to 1,090 mg/L at monitoring well MCWP-MW09 during the March and September monitoring events, with an average concentration of 428 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 2018

The following activities will be completed during 2018:

- Rincon will conduct groundwater sampling activities at nine groundwater monitoring wells and ten surface water sampling locations 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 II).
- Dependent upon the date of which CCWTF operations commence, Rincon may collect and analyze annual groundwater samples for MRP compliance (Task I).
- Prior to CCWTF operations commence, 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 2017, 2017 Annual, First Quarter 2018, Second Quarter 2018, and Third Quarter 2018 Groundwater and Surface Water Monitoring Reports to the LARWQCB.

8.0 SUMMARY OF MONITORING ACTIVITIES

Surface Water Monitoring. When comparing coliform bacteria results throughout the 2017 surface water monitoring events, no clear trend was observed.

Nitrate as nitrogen concentrations in all surface water samples collected at the near shore sampling locations remained near or below the analytical practical quantitation limit. This was observed for the surface water samples collected at Malibu Lagoon and Creek sampling locations, which ranged from less than the analytical practical quantitation limit to 1.5 mg/L at L-001 and L-002 during the first quarter surface water sampling event.

Overall, the annual 2017 surface water monitoring events generally demonstrated variable results in the near shore and Malibu Lagoon and Creek sampling locations, which is consistent with 2016 annual monitoring results.

Groundwater Elevation. During the 2017 calendar year, groundwater elevation monitoring indicated that shallow and deep groundwater elevations throughout the Civic Center area were variable with no clear trend. Shallow groundwater generally flowed southeast to south, towards the coastline with an annual average groundwater gradient of 0.0043 feet/foot.

Groundwater Monitoring. Fourteen of the sixteen groundwater monitoring wells were sampled during each of the sampling events of 2017. Groundwater monitoring well MCWP-MW-07S and MCWP-MW07D were inaccessible and MBCMW-09 was dry during the March sampling event and groundwater monitoring well TY-MW-1 was inaccessible during the September monitoring event.

Coliform bacteria concentrations in groundwater monitoring wells displayed a general variation between the first and third quarter 2017 sampling events, with no clear trend. Total coliform ranged from less than 1.8 MPN/100 mL in seven groundwater monitoring wells to

greater than 1,600 MPN/100 mL at LAMW-5S and CCPE, with an average concentration of 147 MPN/100 mL. Fecal coliform concentrations in groundwater wells were only detected above the practicable quantification limit at monitoring wells LAMW-5S (170 MPN/100mL), MBCMW-09 (4.5 MPN/100 mL), and CCPE (350 MPN/100 mL). This finding is similar to the 2016 monitoring results, which continues to support a general variability of total coliform and a relatively low concentration of fecal coliform.

Nitrate as nitrogen concentrations ranged from less than 0.1 mg/L to 22.2 mg/L at SMBRP-9 with an average concentration of 3.39 mg/L for the 2017 monitoring year. When comparing nitrate as nitrogen results from the 2017 to the 2015 and 2016 analytical results, it is observed that concentrations have remained relatively consistent at sampling locations throughout the monitoring program. The exceptions to this are monitoring well LAMW-5S and SMBRP-9. Groundwater monitoring well LAMW-5S has displayed a general increase in nitrate as nitrogen since September 29, 2015 (7.4 mg/L) to September 14, 2017 (16.4 mg/L). Groundwater monitoring well SMBRP-9 displayed a general increase since December 15, 2015 (17.8 mg/L), up to 22.2 mg/L on March 28, 2017, which decreased to 16.6 mg/L on September 12, 2017.

TDS concentrations increased in all but two groundwater monitoring wells when comparing concentrations from the first quarter 2017 sampling event to the third quarter 2017 sampling event. In general, these concentrations display a similar variability as past monitoring years, with consistent concentration ranges.

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.

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Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
C-1	8/24/2015	11.47	N/A	-
C-1	9/21/2015	11.47	N/A	-
C-1	10/20/2015	11.47	N/A	-
C-1	11/16/2015	11.47	5.07	6.40
C-1	12/14/2015	11.47	4.12	7.35
C-1	1/14/2016	11.47	6.65	4.82
C-1	2/16/2016	11.47	6.65	4.82
C-1	3/14/2016	11.47	6.80	4.67
C-1	4/25/2016	11.47	5.72	5.75
C-1	5/16/2016	11.47	4.59	6.88
C-1	6/17/2016	11.47	4.72	6.75
C-1	7/20/2016	11.47	5.32	6.15
C-1	8/20/2016	11.47	5.42	6.05
C-1	9/19/2016	11.47	5.47	6.00
C-1	10/21/2016	11.47	5.64	5.83
C-1	11/18/2016	11.47	4.71	6.76
C-1	12/19/2016	11.47	6.75	4.72
C-1	1/17/2017	11.47	6.89	4.58
C-1	2/24/2017	11.47	7.28	4.19
C-1	3/27/2017	11.47	6.66	4.81
C-1	4/17/2017	11.47	7.32	4.15
C-1	5/22/2017	11.47	6.74	4.73
C-1	6/20/2017	11.47	4.49	6.98
C-1	7/28/2017	11.47	4.51	6.96
C-1	8/25/2017	11.47	4.61	6.86
C-1	9/11/2017	11.47	4.96	6.51
C-1	10/16/2017	11.47	5.13	6.34
C-1	11/15/2017	11.47	5.32	6.15
C-1	12/11/2017	11.47	7.70	3.77

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
C-2	8/24/2015	11.19	5.11	6.08
C-2	9/21/2015	11.19	4.92	6.27
C-2	10/20/2015	11.19	5.18	6.01
C-2	11/16/2015	11.19	4.96	6.23
C-2	12/14/2015	11.19	3.93	7.26
C-2	1/14/2016	11.19	6.44	4.75
C-2	2/16/2016	11.19	6.34	4.85
C-2	3/14/2016	11.19	6.50	4.69
C-2	4/25/2016	11.19	5.54	5.65
C-2	5/16/2016	11.19	4.49	6.70
C-2	6/17/2016	11.19	4.62	6.57
C-2	7/20/2016	11.19	5.16	6.03
C-2	8/20/2016	11.19	5.25	5.94
C-2	9/19/2016	11.19	5.21	5.98
C-2	10/21/2016	11.19	5.46	5.73
C-2	11/18/2016	11.19	4.48	6.71
C-2	12/19/2016	11.19	6.74	4.45
C-2	1/17/2017	11.19	6.51	4.68
C-2	2/24/2017	11.19	6.84	4.35
C-2	3/27/2017	11.19	6.55	4.64
C-2	4/17/2017	11.19	7.05	4.14
C-2	5/22/2017	11.19	6.54	4.65
C-2	6/20/2017	11.19	3.81	7.38
C-2	7/28/2017	11.19	4.37	6.82
C-2	8/25/2017	11.19	4.57	6.62
C-2	9/11/2017	11.19	4.86	6.33
C-2	10/16/2017	11.19	4.95	6.24
C-2	11/15/2017	11.19	5.04	6.15
C-2	12/11/2017	11.19	7.46	3.73

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
CCPE	8/24/2015	12.94	5.76	7.18
CCPE	9/21/2015	12.94	5.61	7.33
CCPE	10/20/2015	12.94	5.87	7.07
CCPE	11/16/2015	12.94	5.79	7.15
CCPE	12/14/2015	12.94	4.52	8.42
CCPE	1/14/2016	12.94	7.95	4.99
CCPE	2/16/2016	12.94	8.27	4.67
CCPE	3/14/2016	12.94	8.35	4.59
CCPE	4/25/2016	12.94	7.13	5.81
CCPE	5/16/2016	12.94	5.72	7.22
CCPE	6/17/2016	12.94	6.54	6.40
CCPE	7/20/2016	12.94	6.09	6.85
CCPE	8/20/2016	12.94	6.43	6.51
CCPE	9/19/2016	12.94	6.80	6.14
CCPE	10/21/2016	12.94	6.67	6.27
CCPE	11/18/2016	12.94	5.61	7.33
CCPE	12/19/2016	12.94	11.63	1.31
CCPE	1/17/2017	12.94	8.38	4.56
CCPE	2/24/2017	12.94	8.67	4.27
CCPE	3/27/2017	12.94	8.21	4.73
CCPE	4/17/2017	12.94	8.9	4.04
CCPE	5/22/2017	12.94	8.25	4.69
CCPE	6/20/2017	12.94	5.73	7.21
CCPE	7/28/2017	12.94	5.47	7.47
CCPE	8/25/2017	12.94	5.68	7.26
CCPE	9/11/2017	12.94	6.00	6.94
CCPE	10/16/2017	12.94	5.6	7.34
CCPE	11/15/2017	12.94	5.82	7.12
CCPE	12/11/2017	12.94	8.7	4.24

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
CCPNE	8/24/2015	13.68	6.44	7.24
CCPNE	9/21/2015	13.68	6.27	7.41
CCPNE	10/20/2015	13.68	6.54	7.14
CCPNE	11/16/2015	13.68	6.74	6.94
CCPNE	12/14/2015	13.68	5.28	8.40
CCPNE	1/14/2016	13.68	8.51	5.17
CCPNE	2/16/2016	13.68	8.65	5.03
CCPNE	3/14/2016	13.68	8.65	5.03
CCPNE	4/25/2016	13.68	7.79	5.89
CCPNE	5/16/2016	13.68	6.39	7.29
CCPNE	6/17/2016	13.68	5.83	7.85
CCPNE	7/20/2016	13.68	6.79	6.89
CCPNE	8/20/2016	13.68	7.16	6.52
CCPNE	9/19/2016	13.68	7.52	6.16
CCPNE	10/21/2016	13.68	7.4	6.28
CCPNE	11/18/2016	13.68	6.32	7.36
CCPNE	12/19/2016	13.68	8.82	4.86
CCPNE	1/17/2017	13.68	8.66	5.02
CCPNE	2/24/2017	13.68	8.8	4.88
CCPNE	3/27/2017	13.68	9.37	4.31
CCPNE	4/17/2017	13.68	9.16	4.52
CCPNE	5/22/2017	13.68	8.97	4.71
CCPNE	6/20/2017	13.68	6.63	7.05
CCPNE	7/28/2017	13.68	6.26	7.42
CCPNE	8/25/2017	13.68	6.51	7.17
CCPNE	9/11/2017	13.68	6.81	6.87
CCPNE	10/16/2017	13.68	6.58	7.10
CCPNE	11/15/2017	13.68	6.52	7.16
CCPNE	12/11/2017	13.68	9.14	4.54

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
CCPSW	8/24/2015	13.67	6.29	7.38
CCPSW	9/21/2015	13.67	6.09	7.58
CCPSW	10/20/2015	13.67	6.35	7.32
CCPSW	11/16/2015	13.67	6.24	7.43
CCPSW	12/14/2015	13.67	5.27	8.40
CCPSW	1/14/2016	13.67	8.22	5.45
CCPSW	2/16/2016	13.67	8.11	5.56
CCPSW	3/14/2016	13.67	8.05	5.62
CCPSW	4/25/2016	13.67	7.50	6.17
CCPSW	5/16/2016	13.67	6.18	7.49
CCPSW	6/17/2016	13.67	6.26	7.41
CCPSW	7/20/2016	13.67	6.60	7.07
CCPSW	8/20/2016	13.67	6.92	6.75
CCPSW	9/19/2016	13.67	7.28	6.39
CCPSW	10/21/2016	13.67	7.17	6.50
CCPSW	11/18/2016	13.67	6.22	7.45
CCPSW	12/19/2016	13.67	8.34	5.33
CCPSW	1/17/2017	13.67	8.03	5.64
CCPSW	2/24/2017	13.67	8.27	5.40
CCPSW	3/27/2017	13.67	9.32	4.35
CCPSW	4/17/2017	13.67	8.64	5.03
CCPSW	5/22/2017	13.67	8.86	4.81
CCPSW	6/20/2017	13.67	6.59	7.08
CCPSW	7/28/2017	13.67	6.17	7.50
CCPSW	8/25/2017	13.67	6.47	7.20
CCPSW	9/11/2017	13.67	6.76	6.91
CCPSW	10/16/2017	13.67	6.38	7.29
CCPSW	11/15/2017	13.67	6.36	7.31
CCPSW	12/11/2017	13.67	8.65	5.02

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
CCW-4	8/24/2015	15.77	6.50	9.27
CCW-4	9/21/2015	15.77	6.71	9.06
CCW-4	10/20/2015	15.77	6.90	8.87
CCW-4	11/16/2015	15.77	7.02	8.75
CCW-4	12/14/2015	15.77	7.05	8.72
CCW-4	1/14/2016	15.77	6.19	9.58
CCW-4	2/16/2016	15.77	6.17	9.60
CCW-4	3/14/2016	15.77	5.72	10.05
CCW-4	4/25/2016	15.77	5.28	10.49
CCW-4	5/16/2016	15.77	6.45	9.32
CCW-4	6/17/2016	15.77	6.70	9.07
CCW-4	7/20/2016	15.77	7.07	8.70
CCW-4	8/20/2016	15.77	7.33	8.44
CCW-4	9/19/2016	15.77	7.56	8.21
CCW-4	10/21/2016	15.77	7.68	8.09
CCW-4	11/18/2016	15.77	7.84	7.93
CCW-4	12/19/2016	15.77	7.09	8.68
CCW-4	1/17/2017	15.77	4.97	10.80
CCW-4	2/24/2017	15.77	2.04	13.73
CCW-4	3/27/2017	15.77	2.92	12.85
CCW-4	4/17/2017	15.77	5.3	10.47
CCW-4	5/22/2017	15.77	5.72	10.05
CCW-4	6/20/2017	15.77	6.27	9.50
CCW-4	7/28/2017	15.77	7.30	8.47
CCW-4	8/25/2017	15.77	7.74	8.03
CCW-4	9/11/2017	15.77	7.76	8.01
CCW-4	10/16/2017	15.77	6.99	8.78
CCW-4	11/15/2017	15.77	6.43	9.34
CCW-4	12/11/2017	15.77	6.36	9.41

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
GH6-M1	8/24/2015	-	28.92	-
GH6-M1	9/21/2015	-	29.11	-
GH6-M1	10/20/2015	-	29.24	-
GH6-M1	11/16/2015	-	29.32	-
GH6-M1	12/14/2015	-	29.43	-
GH6-M1	1/14/2016	-	29.43	-
GH6-M1	2/16/2016	-	29.56	-
GH6-M1	3/14/2016	-	29.44	-
GH6-M1	4/25/2016	-	29.46	-
GH6-M1	5/16/2016	-	29.35	-
GH6-M1	6/17/2016	-	29.20	-
GH6-M1	7/20/2016	-	29.49	-
GH6-M1	8/20/2016	-	29.58	-
GH6-M1	9/19/2016	-	29.69	-
GH6-M1	10/21/2016	-	29.85	-
GH6-M1	11/18/2016	-	29.95	-
GH6-M1	12/19/2016	-	30.05	-
GH6-M1	1/17/2017	-	29.9	-
GH6-M1	2/24/2017	-	28.74	-
GH6-M1	3/27/2017	-	27.63	-
GH6-M1	4/17/2017	-	26.91	-
GH6-M1	5/22/2017	-	26.16	-
GH6-M1	6/20/2017	-	26.13	-
GH6-M1	7/28/2017	-	26.36	-
GH6-M1	8/25/2017	-	26.61	-
GH6-M1	9/11/2017	-	26.81	-
GH6-M1	10/16/2017	-	27.13	-
GH6-M1	11/15/2017	-	27.3	-
GH6-M1	12/11/2017	-	27.51	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
GH8-M3	8/24/2015	-	28.37	-
GH8-M3	9/21/2015	-	28.54	-
GH8-M3	10/20/2015	-	28.69	-
GH8-M3	11/16/2015	-	28.75	-
GH8-M3	12/14/2015	-	28.78	-
GH8-M3	1/14/2016	-	28.92	-
GH8-M3	2/16/2016	-	28.96	-
GH8-M3	3/14/2016	-	28.79	-
GH8-M3	4/25/2016	-	28.78	-
GH8-M3	5/16/2016	-	28.63	-
GH8-M3	6/17/2016	-	28.67	-
GH8-M3	7/20/2016	-	28.90	-
GH8-M3	8/20/2016	-	29.08	-
GH8-M3	9/19/2016	-	29.19	-
GH8-M3	10/21/2016	-	29.36	-
GH8-M3	11/18/2016	-	29.36	-
GH8-M3	12/19/2016	-	29.44	-
GH8-M3	1/17/2017	-	29.27	-
GH8-M3	2/24/2017	-	27.8	-
GH8-M3	3/27/2017	-	26.22	-
GH8-M3	4/17/2017	-	25.44	-
GH8-M3	5/22/2017	-	25.13	-
GH8-M3	6/20/2017	-	25.38	-
GH8-M3	7/28/2017	-	25.84	-
GH8-M3	8/25/2017	-	26.13	-
GH8-M3	9/11/2017	-	26.33	-
GH8-M3	10/16/2017	-	26.63	-
GH8-M3	11/15/2017	-	26.77	-
GH8-M3	12/11/2017	-	27.13	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
GH9-M4	8/24/2015	-	30.31	-
GH9-M4	9/21/2015	-	30.54	-
GH9-M4	10/20/2015	-	30.66	-
GH9-M4	11/16/2015	-	30.75	-
GH9-M4	12/14/2015	-	30.86	-
GH9-M4	1/14/2016	-	34.54	-
GH9-M4	2/16/2016	-	31.12	-
GH9-M4	3/14/2016	-	31.07	-
GH9-M4	4/25/2016	-	34.32	-
GH9-M4	5/16/2016	-	32.80	-
GH9-M4	6/17/2016	-	30.56	-
GH9-M4	7/20/2016	-	30.90	-
GH9-M4	8/20/2016	-	31.09	-
GH9-M4	9/19/2016	-	31.18	-
GH9-M4	10/21/2016	-	31.29	-
GH9-M4	11/18/2016	-	30.87	-
GH9-M4	12/19/2016	-	31.11	-
GH9-M4	1/17/2017	-	30.79	-
GH9-M4	2/24/2017	-	30.53	-
GH9-M4	3/27/2017	-	24.94	-
GH9-M4	4/17/2017	-	24.79	-
GH9-M4	5/22/2017	-	29.08	-
GH9-M4	6/20/2017	-	26.3	-
GH9-M4	7/28/2017	-	27.14	-
GH9-M4	8/25/2017	-	27.57	-
GH9-M4	9/11/2017	-	27.67	-
GH9-M4	10/16/2017	-	27.92	-
GH9-M4	11/15/2017	-	28.27	-
GH9-M4	12/11/2017	-	28.7	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
M6-1	8/24/2015	-	6.61	-
M6-1	9/21/2015	-	6.43	-
M6-1	10/20/2015	-	6.72	-
M6-1	11/16/2015	-	6.68	-
M6-1	12/14/2015	-	6.35	-
M6-1	1/14/2016	-	6.63	-
M6-1	2/16/2016	-	7.03	-
M6-1	3/14/2016	-	6.45	-
M6-1	4/25/2016	-	7.15	-
M6-1	5/16/2016	-	6.85	-
M6-1	6/17/2016	-	7.04	-
M6-1	7/20/2016	-	7.34	-
M6-1	8/20/2016	-	7.61	-
M6-1	9/19/2016	-	7.87	-
M6-1	10/21/2016	-	7.83	-
M6-1	11/18/2016	-	7.19	-
M6-1	12/19/2016	-	7.26	-
M6-1	1/17/2017	-	5.81	-
M6-1	2/24/2017	-	4.96	-
M6-1	3/27/2017	-	7.17	-
M6-1	4/17/2017	-	6.77	-
M6-1	5/22/2017	-	7.74	-
M6-1	6/20/2017	-	7.14	-
M6-1	7/28/2017	-	6.97	-
M6-1	8/25/2017	-	7.14	-
M6-1	9/11/2017	-	7.18	-
M6-1	10/16/2017	-	6.71	-
M6-1	11/15/2017	-	6.57	-
M6-1	12/11/2017	-	7.20	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
M6-2	8/24/2015	-	5.76	-
M6-2	9/21/2015	-	5.75	-
M6-2	10/20/2015	-	6.08	-
M6-2	11/16/2015	-	6.17	-
M6-2	12/14/2015	-	6.12	-
M6-2	1/14/2016	-	4.69	-
M6-2	2/16/2016	-	5.46	-
M6-2	3/14/2016	-	4.27	-
M6-2	4/25/2016	-	5.51	-
M6-2	5/16/2016	-	5.74	-
M6-2	6/17/2016	-	5.94	-
M6-2	7/20/2016	-	6.21	-
M6-2	8/20/2016	-	6.42	-
M6-2	9/19/2016	-	6.61	-
M6-2	10/21/2016	-	6.82	-
M6-2	11/18/2016	-	6.96	-
M6-2	12/19/2016	-	5.93	-
M6-2	1/17/2017	-	3.05	-
M6-2	2/24/2017	-	1.75	-
M6-2	3/27/2017	-	3.87	-
M6-2	4/17/2017	-	4.8	-
M6-2	5/22/2017	-	5.98	-
M6-2	6/20/2017	-	6.45	-
M6-2	7/28/2017	-	6.55	-
M6-2	8/25/2017	-	6.58	-
M6-2	9/11/2017	-	6.30	-
M6-2	10/16/2017	-	5.45	-
M6-2	11/15/2017	-	5.27	-
M6-2	12/11/2017	-	4.41	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
M7-1	8/24/2015	-	8.09	-
M7-1	9/21/2015	-	8.12	-
M7-1	10/20/2015	-	8.40	-
M7-1	11/16/2015	-	8.48	-
M7-1	12/14/2015	-	8.30	-
M7-1	1/14/2016	-	8.04	-
M7-1	2/16/2016	-	8.36	-
M7-1	3/14/2016	-	7.83	-
M7-1	4/25/2016	-	8.46	-
M7-1	5/16/2016	-	8.17	-
M7-1	6/17/2016	-	8.22	-
M7-1	7/20/2016	-	8.54	-
M7-1	8/20/2016	-	8.74	-
M7-1	9/19/2016	-	8.88	-
M7-1	10/21/2016	-	9.01	-
M7-1	11/18/2016	-	8.98	-
M7-1	12/19/2016	-	8.68	-
M7-1	1/17/2017	-	6.94	-
M7-1	2/24/2017	-	5.13	-
M7-1	3/27/2017	-	6.71	-
M7-1	4/17/2017	-	7.52	-
M7-1	5/22/2017	-	8.28	-
M7-1	6/20/2017	-	8.22	-
M7-1	7/28/2017	-	8.37	-
M7-1	8/25/2017	-	8.61	-
M7-1	9/11/2017	-	8.76	-
M7-1	10/16/2017	-	8.14	-
M7-1	11/15/2017	-	7.95	-
M7-1	12/11/2017	-	8.25	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
M7-2	8/24/2015	-	7.78	-
M7-2	9/21/2015	-	7.91	-
M7-2	10/20/2015	-	8.15	-
M7-2	11/16/2015	-	8.27	-
M7-2	12/14/2015	-	8.28	-
M7-2	1/14/2016	-	7.34	-
M7-2	2/16/2016	-	7.74	-
M7-2	3/14/2016	-	7.03	-
M7-2	4/25/2016	-	7.84	-
M7-2	5/16/2016	-	7.70	-
M7-2	6/17/2016	-	7.77	-
M7-2	7/20/2016	-	8.05	-
M7-2	8/20/2016	-	8.26	-
M7-2	9/19/2016	-	8.42	-
M7-2	10/21/2016	-	8.64	-
M7-2	11/18/2016	-	8.88	-
M7-2	12/19/2016	-	8.21	-
M7-2	1/17/2017	-	5.91	-
M7-2	2/24/2017	-	3.56	-
M7-2	3/27/2017	-	5.29	-
M7-2	4/17/2017	-	6.88	-
M7-2	5/22/2017	-	7.73	-
M7-2	6/20/2017	-	8.07	-
M7-2	7/28/2017	-	8.28	-
M7-2	8/25/2017	-	8.58	-
M7-2	9/11/2017	-	7.45	-
M7-2	10/16/2017	-	7.64	-
M7-2	11/15/2017	-	7.58	-
M7-2	12/11/2017	-	7.68	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MBCMW-7	8/24/2015	16.64	11.26	5.38
MBCMW-7	9/21/2015	16.64	10.94	5.70
MBCMW-7	10/20/2015	16.64	11.09	5.55
MBCMW-7	11/16/2015	16.64	11.11	5.53
MBCMW-7	12/14/2015	16.64	10.27	6.37
MBCMW-7	1/14/2016	16.64	11.39	5.25
MBCMW-7	2/16/2016	16.64	11.75	4.89
MBCMW-7	3/14/2016	16.64	11.55	5.09
MBCMW-7	4/25/2016	16.64	11.44	5.20
MBCMW-7	5/16/2016	16.64	11.22	5.42
MBCMW-7	6/17/2016	16.64	11.71	4.93
MBCMW-7	7/20/2016	16.64	12.12	4.52
MBCMW-7	8/20/2016	16.64	12.27	4.37
MBCMW-7	9/19/2016	16.64	12.65	3.99
MBCMW-7	10/21/2016	16.64	12.32	4.32
MBCMW-7	11/18/2016	16.64	10.31	6.33
MBCMW-7	12/19/2016	16.64	11.65	4.99
MBCMW-7	1/17/2017	16.64	11.29	5.35
MBCMW-7	2/24/2017	16.64	10.96	5.68
MBCMW-7	3/27/2017	16.64	12.84	3.80
MBCMW-7	4/17/2017	16.64	11.89	4.75
MBCMW-7	5/22/2017	16.64	12.56	4.08
MBCMW-7	6/20/2017	16.64	11.57	5.07
MBCMW-7	7/28/2017	16.64	11.35	5.29
MBCMW-7	8/25/2017	16.64	11.61	5.03
MBCMW-7	9/11/2017	16.64	9.28	7.36
MBCMW-7	10/16/2017	16.64	11.28	5.36
MBCMW-7	11/15/2017	16.64	11.12	5.52
MBCMW-7	12/11/2017	16.64	12.03	4.61

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MBCMW-8	8/24/2015	16.53	9.11	7.42
MBCMW-8	9/21/2015	16.53	9.13	7.40
MBCMW-8	10/20/2015	16.53	9.44	7.09
MBCMW-8	11/16/2015	16.53	9.58	6.95
MBCMW-8	12/14/2015	16.53	9.59	6.94
MBCMW-8	1/14/2016	16.53	8.05	8.48
MBCMW-8	2/16/2016	16.53	8.66	7.87
MBCMW-8	3/14/2016	16.53	7.36	9.17
MBCMW-8	4/25/2016	16.53	8.54	7.99
MBCMW-8	5/16/2016	16.53	8.89	7.64
MBCMW-8	6/17/2016	16.53	9.16	7.37
MBCMW-8	7/20/2016	16.53	9.46	7.07
MBCMW-8	8/20/2016	16.53	9.73	6.80
MBCMW-8	9/19/2016	16.53	9.99	6.54
MBCMW-8	10/21/2016	16.53	10.02	6.51
MBCMW-8	11/18/2016	16.53	10.11	6.42
MBCMW-8	12/19/2016	16.53	9.61	6.92
MBCMW-8	1/17/2017	16.53	7.03	9.50
MBCMW-8	2/24/2017	16.53	4.41	12.12
MBCMW-8	3/27/2017	16.53	6.13	10.40
MBCMW-8	4/17/2017	16.53	7.45	9.08
MBCMW-8	5/22/2017	16.53	7.89	8.64
MBCMW-8	6/20/2017	16.53	8.82	7.71
MBCMW-8	7/28/2017	16.53	9.57	6.96
MBCMW-8	8/25/2017	16.53	9.76	6.77
MBCMW-8	9/11/2017	16.53	10.03	6.50
MBCMW-8	10/16/2017	16.53	8.07	8.46
MBCMW-8	11/15/2017	16.53	7.84	8.69
MBCMW-8	12/11/2017	16.53	8.51	8.02

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MBCMW-9	8/24/2015	17.71	8.70	9.01
MBCMW-9	9/21/2015	17.71	8.83	8.88
MBCMW-9	10/20/2015	17.71	9.00	8.71
MBCMW-9	11/16/2015	17.71	9.09	8.62
MBCMW-9	12/14/2015	17.71	9.09	8.62
MBCMW-9	1/14/2016	17.71	8.30	9.41
MBCMW-9	2/16/2016	17.71	8.06	9.65
MBCMW-9	3/14/2016	17.71	7.83	9.88
MBCMW-9	4/25/2016	17.71	8.21	9.50
MBCMW-9	5/16/2016	17.71	8.40	9.31
MBCMW-9	6/17/2016	17.71	8.64	9.07
MBCMW-9	7/20/2016	17.71	8.78	8.93
MBCMW-9	8/20/2016	17.71	8.80	8.91
MBCMW-9	9/19/2016	17.71	8.80	8.91
MBCMW-9	10/21/2016	17.71	9.29	8.42
MBCMW-9	11/18/2016	17.71	9.15	8.56
MBCMW-9	12/19/2016	17.71	8.75	8.96
MBCMW-9	1/17/2017	17.71	8.06	9.65
MBCMW-9	2/24/2017	17.71	5.11	12.60
MBCMW-9	3/27/2017	17.71	5.44	12.27
MBCMW-9	4/17/2017	17.71	5.99	11.72
MBCMW-9	5/22/2017	17.71	6.28	11.43
MBCMW-9	6/20/2017	17.71	6.76	10.95
MBCMW-9	7/28/2017	17.71	7.98	9.73
MBCMW-9	8/25/2017	17.71	8.31	9.40
MBCMW-9	9/11/2017	17.71	8.67	9.04
MBCMW-9	10/16/2017	17.71	7.83	9.88
MBCMW-9	11/15/2017	17.71	7.50	10.21
MBCMW-9	12/11/2017	17.71	7.73	9.98

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MBCMW-10	8/24/2015	17.74	8.63	9.11
MBCMW-10	9/21/2015	17.74	8.20	9.54
MBCMW-10	10/20/2015	17.74	8.40	9.34
MBCMW-10	11/16/2015	17.74	8.35	9.39
MBCMW-10	12/14/2015	17.74	7.34	10.40
MBCMW-10	1/14/2016	17.74	8.82	8.92
MBCMW-10	2/16/2016	17.74	9.34	8.40
MBCMW-10	3/14/2016	17.74	8.97	8.77
MBCMW-10	4/25/2016	17.74	9.22	8.52
MBCMW-10	5/16/2016	17.74	8.75	8.99
MBCMW-10	6/17/2016	17.74	8.58	9.16
MBCMW-10	7/20/2016	17.74	9.29	8.45
MBCMW-10	8/20/2016	17.74	9.52	8.22
MBCMW-10	9/19/2016	17.74	9.85	7.89
MBCMW-10	10/21/2016	17.74	9.67	8.07
MBCMW-10	11/18/2016	17.74	8.31	9.43
MBCMW-10	12/19/2016	17.74	8.97	8.77
MBCMW-10	1/17/2017	17.74	8.67	9.07
MBCMW-10	2/24/2017	17.74	8.55	9.19
MBCMW-10	3/27/2017	17.74	10.12	7.62
MBCMW-10	4/17/2017	17.74	9.43	8.31
MBCMW-10	5/22/2017	17.74	10.07	7.67
MBCMW-10	6/20/2017	17.74	8.87	8.87
MBCMW-10	7/28/2017	17.74	8.84	8.90
MBCMW-10	8/25/2017	17.74	8.92	8.82
MBCMW-10	9/11/2017	17.74	8.41	9.33
MBCMW-10	10/16/2017	17.74	8.38	9.36
MBCMW-10	11/15/2017	17.74	8.36	9.38
MBCMW-10	12/11/2017	17.74	9.70	8.04

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW04S	8/24/2015	15.29	7.55	7.74
MCWP-MW04S	9/21/2015	15.29	7.67	7.62
MCWP-MW04S	10/20/2015	15.29	7.85	7.44
MCWP-MW04S	11/16/2015	15.29	7.99	7.30
MCWP-MW04S	12/14/2015	15.29	8.06	7.23
MCWP-MW04S	1/14/2016	15.29	6.48	8.81
MCWP-MW04S	2/16/2016	15.29	7.08	8.21
MCWP-MW04S	3/14/2016	15.29	5.92	9.37
MCWP-MW04S	4/25/2016	15.29	7.10	8.19
MCWP-MW04S	5/16/2016	15.29	7.36	7.93
MCWP-MW04S	6/17/2016	15.29	7.64	7.65
MCWP-MW04S	7/20/2016	15.29	7.95	7.34
MCWP-MW04S	8/20/2016	15.29	8.18	7.11
MCWP-MW04S	9/19/2016	15.29	8.35	6.94
MCWP-MW04S	10/21/2016	15.29	8.88	6.41
MCWP-MW04S	11/18/2016	15.29	8.4	6.89
MCWP-MW04S	12/19/2016	15.29	8.67	6.62
MCWP-MW04S	1/17/2017	15.29	6.62	8.67
MCWP-MW04S	2/24/2017	15.29	3.34	11.95
MCWP-MW04S	3/27/2017	15.29	5.20	10.09
MCWP-MW04S	4/17/2017	15.29	6.19	9.10
MCWP-MW04S	5/22/2017	15.29	6.73	8.56
MCWP-MW04S	6/20/2017	15.29	7.41	7.88
MCWP-MW04S	7/28/2017	15.29	7.91	7.38
MCWP-MW04S	8/25/2017	15.29	8.08	7.21
MCWP-MW04S	9/11/2017	15.29	7.87	7.42
MCWP-MW04S	10/16/2017	15.29	6.74	8.55
MCWP-MW04S	11/15/2017	15.29	6.71	8.58
MCWP-MW04S	12/11/2017	15.29	7.15	8.14
MCWP-MW07S	8/24/2015	13.72	6.76	6.96
MCWP-MW07S	9/21/2015	13.72	7.13	6.59
MCWP-MW07S	10/20/2015	13.72	6.44	7.28
MCWP-MW07S	11/16/2015	13.72	6.74	6.98
MCWP-MW07S	12/14/2015	13.72	6.56	7.16
MCWP-MW07S	1/14/2016	13.72	6.19	7.53
MCWP-MW07S	2/16/2016	13.72	6.75	6.97
MCWP-MW07S	3/14/2016	13.72	5.85	7.87
MCWP-MW07S	4/25/2016	13.72	6.49	7.23
MCWP-MW07S	5/16/2016	13.72	6.73	6.99
MCWP-MW07S	6/17/2016	13.72	N/A	-
MCWP-MW07S	7/20/2016	13.72	6.18	7.54
MCWP-MW07S	8/20/2016	13.72	6.25	7.47
MCWP-MW07S	9/19/2016	13.72	6.48	7.24
MCWP-MW07S	10/21/2016	13.72	6.61	7.11

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW07S	11/18/2016	13.72	6.7	7.02
MCWP-MW07S	12/19/2016	13.72	6.67	7.05
MCWP-MW07S	1/17/2017	13.72	6.11	7.61
MCWP-MW07S	2/24/2017	13.72	N/A	-
MCWP-MW07S	3/27/2017	13.72	N/A	-
MCWP-MW07S	4/17/2017	13.72	N/A	-
MCWP-MW07S	5/22/2017	13.72	N/A	-
MCWP-MW07S	6/20/2017	13.72	N/A	-
MCWP-MW07S	7/28/2017	13.72	5.79	7.93
MCWP-MW07S	8/25/2017	13.72	6.09	7.63
MCWP-MW07S	9/11/2017	13.72	6.02	7.70
MCWP-MW07S	10/16/2017	13.72	6.04	7.68
MCWP-MW07S	11/15/2017	13.72	6.50	7.22
MCWP-MW07S	12/11/2017	13.72	5.73	7.99

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW08	8/24/2015	12.21	7.64	4.57
MCWP-MW08	9/21/2015	12.21	7.42	4.79
MCWP-MW08	10/20/2015	12.21	7.61	4.60
MCWP-MW08	11/16/2015	12.21	7.40	4.81
MCWP-MW08	12/14/2015	12.21	6.62	5.59
MCWP-MW08	1/14/2016	12.21	8.46	3.75
MCWP-MW08	2/16/2016	12.21	8.27	3.94
MCWP-MW08	3/14/2016	12.21	7.96	4.25
MCWP-MW08	4/25/2016	12.21	7.83	4.38
MCWP-MW08	5/16/2016	12.21	6.87	5.34
MCWP-MW08	6/17/2016	12.21	6.97	5.24
MCWP-MW08	7/20/2016	12.21	7.76	4.45
MCWP-MW08	8/20/2016	12.21	7.77	4.44
MCWP-MW08	9/19/2016	12.21	7.74	4.47
MCWP-MW08	10/21/2016	12.21	8.00	4.21
MCWP-MW08	11/18/2016	12.21	7.27	4.94
MCWP-MW08	12/19/2016	12.21	8.57	3.64
MCWP-MW08	1/17/2017	12.21	8.00	4.21
MCWP-MW08	2/24/2017	12.21	8.77	3.44
MCWP-MW08	3/27/2017	12.21	8.81	3.40
MCWP-MW08	4/17/2017	12.21	8.74	3.47
MCWP-MW08	5/22/2017	12.21	9.04	3.17
MCWP-MW08	6/20/2017	12.21	7.47	4.74
MCWP-MW08	7/28/2017	12.21	7.21	5.00
MCWP-MW08	8/25/2017	12.21	7.40	4.81
MCWP-MW08	9/11/2017	12.21	7.68	4.53
MCWP-MW08	10/16/2017	12.21	7.72	4.49
MCWP-MW08	11/15/2017	12.21	7.78	4.43
MCWP-MW08	12/11/2017	12.21	9.02	3.19

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW10	8/24/2015	11.11	5.70	5.41
MCWP-MW10	9/21/2015	11.11	5.55	5.56
MCWP-MW10	10/20/2015	11.11	5.81	5.30
MCWP-MW10	11/16/2015	11.11	5.74	5.37
MCWP-MW10	12/14/2015	11.11	4.59	6.52
MCWP-MW10	1/14/2016	11.11	8.09	3.02
MCWP-MW10	2/16/2016	11.11	7.98	3.13
MCWP-MW10	3/14/2016	11.11	8.04	3.07
MCWP-MW10	4/25/2016	11.11	7.07	4.04
MCWP-MW10	5/16/2016	11.11	5.63	5.48
MCWP-MW10	6/17/2016	11.11	5.73	5.38
MCWP-MW10	7/20/2016	11.11	6.02	5.09
MCWP-MW10	8/20/2016	11.11	6.34	4.77
MCWP-MW10	9/19/2016	11.11	6.70	4.41
MCWP-MW10	10/21/2016	11.11	6.61	4.50
MCWP-MW10	11/18/2016	11.11	5.57	5.54
MCWP-MW10	12/19/2016	11.11	N/A	-
MCWP-MW10	1/17/2017	11.11	8.11	3.00
MCWP-MW10	2/24/2017	11.11	8.45	2.66
MCWP-MW10	3/27/2017	11.11	8.7	2.41
MCWP-MW10	4/17/2017	11.11	8.58	2.53
MCWP-MW10	5/22/2017	11.11	8.26	2.85
MCWP-MW10	6/20/2017	11.11	5.7	5.41
MCWP-MW10	7/28/2017	11.11	5.43	5.68
MCWP-MW10	8/25/2017	11.11	5.64	5.47
MCWP-MW10	9/11/2017	11.11	6.10	5.01
MCWP-MW10	10/16/2017	11.11	5.88	5.23
MCWP-MW10	11/15/2017	11.11	5.83	5.28
MCWP-MW10	12/11/2017	11.11	8.23	2.88

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
P-4	8/24/2015	12.16	4.58	7.58
P-4	9/21/2015	12.16	4.47	7.69
P-4	10/20/2015	12.16	4.71	7.45
P-4	11/16/2015	12.16	4.65	7.51
P-4	12/14/2015	12.16	3.52	8.64
P-4	1/14/2016	12.16	6.93	5.23
P-4	2/16/2016	12.16	6.88	5.28
P-4	3/14/2016	12.16	6.92	5.24
P-4	4/25/2016	12.16	6.00	6.16
P-4	5/16/2016	12.16	4.57	7.59
P-4	6/17/2016	12.16	4.68	7.48
P-4	7/20/2016	12.16	4.95	7.21
P-4	8/20/2016	12.16	5.27	6.89
P-4	9/19/2016	12.16	5.63	6.53
P-4	10/21/2016	12.16	5.55	6.61
P-4	11/18/2016	12.16	4.51	7.65
P-4	12/19/2016	12.16	7.17	4.99
P-4	1/17/2017	12.16	6.98	5.18
P-4	2/24/2017	12.16	7.12	5.04
P-4	3/27/2017	12.16	7.71	4.45
P-4	4/17/2017	12.16	7.48	4.68
P-4	5/22/2017	12.16	7.22	4.94
P-4	6/20/2017	12.16	4.72	7.44
P-4	7/28/2017	12.16	4.35	7.81
P-4	8/25/2017	12.16	4.61	7.55
P-4	9/11/2017	12.16	4.94	7.22
P-4	10/16/2017	12.16	4.75	7.41
P-4	11/15/2017	12.16	4.74	7.42
P-4	12/11/2017	12.16	7.53	4.63

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
P-9	8/24/2015	12.17	5.07	7.10
P-9	9/21/2015	12.17	4.90	7.27
P-9	10/20/2015	12.17	5.18	6.99
P-9	11/16/2015	12.17	5.08	7.09
P-9	12/14/2015	12.17	3.92	8.25
P-9	1/14/2016	12.17	7.49	4.68
P-9	2/16/2016	12.17	7.53	4.64
P-9	3/14/2016	12.17	7.66	4.51
P-9	4/25/2016	12.17	6.49	5.68
P-9	5/16/2016	12.17	5.02	7.15
P-9	6/17/2016	12.17	5.09	7.08
P-9	7/20/2016	12.17	5.34	6.83
P-9	8/20/2016	12.17	5.70	6.47
P-9	9/19/2016	12.17	6.06	6.11
P-9	10/21/2016	12.17	6.01	6.16
P-9	11/18/2016	12.17	4.91	7.26
P-9	12/19/2016	12.17	7.81	4.36
P-9	1/17/2017	12.17	7.68	4.49
P-9	2/24/2017	12.17	7.82	4.35
P-9	3/27/2017	12.17	8.00	4.17
P-9	4/17/2017	12.17	8.16	4.01
P-9	5/22/2017	12.17	7.59	4.58
P-9	6/20/2017	12.17	5.03	7.14
P-9	7/28/2017	12.17	4.77	7.40
P-9	8/25/2017	12.17	4.95	7.22
P-9	9/11/2017	12.17	5.37	6.80
P-9	10/16/2017	12.17	5.24	6.93
P-9	11/15/2017	12.17	5.20	6.97
P-9	12/11/2017	12.17	8.26	3.91

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-2	8/24/2015	13.13	6.04	7.09
SMBRP-2	9/21/2015	13.13	5.91	7.22
SMBRP-2	10/20/2015	13.13	6.16	6.97
SMBRP-2	11/16/2015	13.13	6.09	7.04
SMBRP-2	12/14/2015	13.13	4.84	8.29
SMBRP-2	1/14/2016	13.13	8.80	4.33
SMBRP-2	2/16/2016	13.13	8.54	4.59
SMBRP-2	3/14/2016	13.13	8.58	4.55
SMBRP-2	4/25/2016	13.13	7.59	5.54
SMBRP-2	5/16/2016	13.13	6.07	7.06
SMBRP-2	6/17/2016	13.13	6.14	6.99
SMBRP-2	7/20/2016	13.13	6.36	6.77
SMBRP-2	8/20/2016	13.13	6.73	6.40
SMBRP-2	9/19/2016	13.13	7.11	6.02
SMBRP-2	10/21/2016	13.13	6.98	6.15
SMBRP-2	11/18/2016	13.13	5.94	7.19
SMBRP-2	12/19/2016	13.13	8.87	4.26
SMBRP-2	1/17/2017	13.13	8.64	4.49
SMBRP-2	2/24/2017	13.13	8.94	4.19
SMBRP-2	3/27/2017	13.13	9.25	3.88
SMBRP-2	4/17/2017	13.13	9.15	3.98
SMBRP-2	5/22/2017	13.13	8.68	4.45
SMBRP-2	6/20/2017	13.13	5.78	7.35
SMBRP-2	7/28/2017	13.13	5.58	7.55
SMBRP-2	8/25/2017	13.13	5.74	7.39
SMBRP-2	9/11/2017	13.13	6.17	6.96
SMBRP-2	10/16/2017	13.13	6.22	6.91
SMBRP-2	11/15/2017	13.13	6.13	7.00
SMBRP-2	12/11/2017	13.13	9.22	3.91

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-6	8/24/2015	26.88	16.49	10.39
SMBRP-6	9/21/2015	26.88	15.95	10.93
SMBRP-6	10/20/2015	26.88	16.66	10.22
SMBRP-6	11/16/2015	26.88	16.47	10.41
SMBRP-6	12/14/2015	26.88	14.78	12.10
SMBRP-6	1/14/2016	26.88	14.68	12.20
SMBRP-6	2/16/2016	26.88	15.22	11.66
SMBRP-6	3/14/2016	26.88	14.43	12.45
SMBRP-6	4/25/2016	26.88	16.60	10.28
SMBRP-6	5/16/2016	26.88	16.81	10.07
SMBRP-6	6/17/2016	26.88	17.87	9.01
SMBRP-6	7/20/2016	26.88	18.52	8.36
SMBRP-6	8/20/2016	26.88	19.01	7.87
SMBRP-6	9/19/2016	26.88	19.61	7.27
SMBRP-6	10/21/2016	26.88	18.13	8.75
SMBRP-6	11/18/2016	26.88	16.12	10.76
SMBRP-6	12/19/2016	26.88	14.46	12.42
SMBRP-6	1/17/2017	26.88	14.14	12.74
SMBRP-6	2/24/2017	26.88	13.14	13.74
SMBRP-6	3/27/2017	26.88	15.01	11.87
SMBRP-6	4/17/2017	26.88	14.79	12.09
SMBRP-6	5/22/2017	26.88	15.44	11.44
SMBRP-6	6/20/2017	26.88	15.87	11.01
SMBRP-6	7/28/2017	26.88	16.32	10.56
SMBRP-6	8/25/2017	26.88	16.39	10.49
SMBRP-6	9/11/2017	26.88	16.48	10.40
SMBRP-6	10/16/2017	26.88	16.27	10.61
SMBRP-6	11/15/2017	26.88	16.40	10.48
SMBRP-6	12/11/2017	26.88	16.40	10.48

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-7B	8/24/2015	18.99	10.69	8.30
SMBRP-7B	9/21/2015	18.99	10.62	8.37
SMBRP-7B	10/20/2015	18.99	10.77	8.22
SMBRP-7B	11/16/2015	18.99	10.78	8.21
SMBRP-7B	12/14/2015	18.99	10.60	8.39
SMBRP-7B	1/14/2016	18.99	10.83	8.16
SMBRP-7B	2/16/2016	18.99	11.08	7.91
SMBRP-7B	3/14/2016	18.99	10.84	8.15
SMBRP-7B	4/25/2016	18.99	11.23	7.76
SMBRP-7B	5/16/2016	18.99	11.04	7.95
SMBRP-7B	6/17/2016	18.99	11.08	7.91
SMBRP-7B	7/20/2016	18.99	11.31	7.68
SMBRP-7B	8/20/2016	18.99	11.54	7.45
SMBRP-7B	9/19/2016	18.99	11.68	7.31
SMBRP-7B	10/21/2016	18.99	11.81	7.18
SMBRP-7B	11/18/2016	18.99	11.49	7.50
SMBRP-7B	12/19/2016	18.99	11.33	7.66
SMBRP-7B	1/17/2017	18.99	10.18	8.81
SMBRP-7B	2/24/2017	18.99	8.13	10.86
SMBRP-7B	3/27/2017	18.99	9.68	9.31
SMBRP-7B	4/17/2017	18.99	9.90	9.09
SMBRP-7B	5/22/2017	18.99	10.51	8.48
SMBRP-7B	6/20/2017	18.99	10.71	8.28
SMBRP-7B	7/28/2017	18.99	10.99	8.00
SMBRP-7B	8/25/2017	18.99	11.66	7.33
SMBRP-7B	9/11/2017	18.99	11.86	7.13
SMBRP-7B	10/16/2017	18.99	11.12	7.87
SMBRP-7B	11/15/2017	18.99	10.77	8.22
SMBRP-7B	12/11/2017	18.99	11.11	7.88

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-8 (EC-RC-MW01)	8/24/2015	48.69	28.74	19.95
SMBRP-8 (EC-RC-MW01)	9/21/2015	48.69	29.02	19.67
SMBRP-8 (EC-RC-MW01)	10/20/2015	48.69	28.76	19.93
SMBRP-8 (EC-RC-MW01)	11/16/2015	48.69	29.38	19.31
SMBRP-8 (EC-RC-MW01)	12/14/2015	48.69	29.32	19.37
SMBRP-8 (EC-RC-MW01)	1/14/2016	48.69	28.93	19.76
SMBRP-8 (EC-RC-MW01)	2/16/2016	48.69	29.18	19.51
SMBRP-8 (EC-RC-MW01)	3/14/2016	48.69	28.76	19.93
SMBRP-8 (EC-RC-MW01)	4/25/2016	48.69	29.40	19.29
SMBRP-8 (EC-RC-MW01)	5/16/2016	48.69	29.18	19.51
SMBRP-8 (EC-RC-MW01)	6/17/2016	48.69	29.38	19.31
SMBRP-8 (EC-RC-MW01)	7/20/2016	48.69	29.73	18.96
SMBRP-8 (EC-RC-MW01)	8/20/2016	48.69	30.02	18.67
SMBRP-8 (EC-RC-MW01)	9/19/2016	48.69	30.64	18.05
SMBRP-8 (EC-RC-MW01)	10/21/2016	48.69	31.02	17.67
SMBRP-8 (EC-RC-MW01)	11/18/2016	48.69	31.16	17.53
SMBRP-8 (EC-RC-MW01)	12/19/2016	48.69	30.83	17.86
SMBRP-8 (EC-RC-MW01)	1/17/2017	48.69	29.49	19.20
SMBRP-8 (EC-RC-MW01)	2/24/2017	48.69	26.78	21.91
SMBRP-8 (EC-RC-MW01)	3/27/2017	48.69	25.21	23.48
SMBRP-8 (EC-RC-MW01)	4/17/2017	48.69	24.34	24.35
SMBRP-8 (EC-RC-MW01)	5/22/2017	48.69	23.31	25.38
SMBRP-8 (EC-RC-MW01)	6/20/2017	48.69	23.54	25.15
SMBRP-8 (EC-RC-MW01)	7/28/2017	48.69	24.25	24.44
SMBRP-8 (EC-RC-MW01)	8/25/2017	48.69	24.98	23.71
SMBRP-8 (EC-RC-MW01)	9/11/2017	48.69	25.30	23.39
SMBRP-8 (EC-RC-MW01)	10/16/2017	48.69	26.10	22.59
SMBRP-8 (EC-RC-MW01)	11/15/2017	48.69	26.56	22.13
SMBRP-8 (EC-RC-MW01)	12/11/2017	48.69	27.02	21.67

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-9	8/24/2015	50.32	38.24	12.08
SMBRP-9	9/21/2015	50.32	38.46	11.86
SMBRP-9	10/20/2015	50.32	38.62	11.70
SMBRP-9	11/16/2015	50.32	N/A	-
SMBRP-9	12/14/2015	50.32	38.86	11.46
SMBRP-9	1/14/2016	50.32	38.95	11.37
SMBRP-9	2/16/2016	50.32	39.03	11.29
SMBRP-9	3/14/2016	50.32	38.97	11.35
SMBRP-9	4/25/2016	50.32	38.82	11.50
SMBRP-9	5/16/2016	50.32	38.82	11.50
SMBRP-9	6/17/2016	50.32	38.86	11.46
SMBRP-9	7/20/2016	50.32	39.06	11.26
SMBRP-9	8/20/2016	50.32	39.17	11.15
SMBRP-9	9/19/2016	50.32	39.33	10.99
SMBRP-9	10/21/2016	50.32	39.55	10.77
SMBRP-9	11/18/2016	50.32	39.67	10.65
SMBRP-9	12/19/2016	50.32	39.79	10.53
SMBRP-9	1/17/2017	50.32	39.82	10.50
SMBRP-9	2/24/2017	50.32	38.75	11.57
SMBRP-9	3/27/2017	50.32	37.59	12.73
SMBRP-9	4/17/2017	50.32	36.88	13.44
SMBRP-9	5/22/2017	50.32	35.82	14.50
SMBRP-9	6/20/2017	50.32	35.41	14.91
SMBRP-9	7/28/2017	50.32	35.13	15.19
SMBRP-9	8/25/2017	50.32	35.18	15.14
SMBRP-9	9/11/2017	50.32	35.48	14.84
SMBRP-9	10/16/2017	50.32	35.86	14.46
SMBRP-9	11/15/2017	50.32	36.24	14.08
SMBRP-9	12/11/2017	50.32	36.48	13.84

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-10C	8/24/2015	16.25	7.37	8.88
SMBRP-10C	9/21/2015	16.25	7.64	8.61
SMBRP-10C	10/20/2015	16.25	7.96	8.29
SMBRP-10C	11/16/2015	16.25	8.16	8.09
SMBRP-10C	12/14/2015	16.25	8.06	8.19
SMBRP-10C	1/14/2016	16.25	6.11	10.14
SMBRP-10C	2/16/2016	16.25	6.57	9.68
SMBRP-10C	3/14/2016	16.25	4.80	11.45
SMBRP-10C	4/25/2016	16.25	6.59	9.66
SMBRP-10C	5/16/2016	16.25	6.86	9.39
SMBRP-10C	6/17/2016	16.25	6.90	9.35
SMBRP-10C	7/20/2016	16.25	7.72	8.53
SMBRP-10C	8/20/2016	16.25	8.12	8.13
SMBRP-10C	9/19/2016	16.25	8.54	7.71
SMBRP-10C	10/21/2016	16.25	8.78	7.47
SMBRP-10C	11/18/2016	16.25	8.89	7.36
SMBRP-10C	12/19/2016	16.25	7.95	8.30
SMBRP-10C	1/17/2017	16.25	2.72	13.53
SMBRP-10C	2/24/2017	16.25	0.99	15.26
SMBRP-10C	3/27/2017	16.25	2.06	14.19
SMBRP-10C	4/17/2017	16.25	3.97	12.28
SMBRP-10C	5/22/2017	16.25	5.52	10.73
SMBRP-10C	6/20/2017	16.25	6.22	10.03
SMBRP-10C	7/28/2017	16.25	6.89	9.36
SMBRP-10C	8/25/2017	16.25	7.28	8.97
SMBRP-10C	9/11/2017	16.25	7.51	8.74
SMBRP-10C	10/16/2017	16.25	7.37	8.88
SMBRP-10C	11/15/2017	16.25	7.38	8.87
SMBRP-10C	12/11/2017	16.25	7.43	8.82

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-12	8/24/2015	12.62	7.52	5.10
SMBRP-12	9/21/2015	12.62	6.91	5.71
SMBRP-12	10/20/2015	12.62	6.72	5.90
SMBRP-12	11/16/2015	12.62	6.75	5.87
SMBRP-12	12/14/2015	12.62	6.42	6.20
SMBRP-12	1/14/2016	12.62	6.95	5.67
SMBRP-12	2/16/2016	12.62	6.85	5.77
SMBRP-12	3/14/2016	12.62	6.09	6.53
SMBRP-12	4/25/2016	12.62	6.76	5.86
SMBRP-12	5/16/2016	12.62	6.40	6.22
SMBRP-12	6/17/2016	12.62	5.39	7.23
SMBRP-12	7/20/2016	12.62	6.05	6.57
SMBRP-12	8/20/2016	12.62	6.85	5.77
SMBRP-12	9/19/2016	12.62	6.44	6.18
SMBRP-12	10/21/2016	12.62	8.09	4.53
SMBRP-12	11/18/2016	12.62	6.52	6.10
SMBRP-12	12/19/2016	12.62	7.16	5.46
SMBRP-12	1/17/2017	12.62	6.48	6.14
SMBRP-12	2/24/2017	12.62	7.61	5.01
SMBRP-12	3/27/2017	12.62	6.96	5.66
SMBRP-12	4/17/2017	12.62	7.29	5.33
SMBRP-12	5/22/2017	12.62	7.63	4.99
SMBRP-12	6/20/2017	12.62	7.19	5.43
SMBRP-12	7/28/2017	12.62	6.68	5.94
SMBRP-12	8/25/2017	12.62	6.76	5.86
SMBRP-12	9/11/2017	12.62	7.02	5.60
SMBRP-12	10/16/2017	12.62	6.88	5.74
SMBRP-12	11/15/2017	12.62	7.08	5.54
SMBRP-12	12/11/2017	12.62	7.17	5.45

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-13	8/24/2015	13.58	8.32	5.26
SMBRP-13	9/21/2015	13.58	7.98	5.60
SMBRP-13	10/20/2015	13.58	8.20	5.38
SMBRP-13	11/16/2015	13.58	7.87	5.71
SMBRP-13	12/14/2015	13.58	6.85	6.73
SMBRP-13	1/14/2016	13.58	8.24	5.34
SMBRP-13	2/16/2016	13.58	8.00	5.58
SMBRP-13	3/14/2016	13.58	7.61	5.97
SMBRP-13	4/25/2016	13.58	7.66	5.92
SMBRP-13	5/16/2016	13.58	6.92	6.66
SMBRP-13	6/17/2016	13.58	7.52	6.06
SMBRP-13	7/20/2016	13.58	8.30	5.28
SMBRP-13	8/20/2016	13.58	8.03	5.55
SMBRP-13	9/19/2016	13.58	7.45	6.13
SMBRP-13	10/21/2016	13.58	8.33	5.25
SMBRP-13	11/18/2016	13.58	7.14	6.44
SMBRP-13	12/19/2016	13.58	8.34	5.24
SMBRP-13	1/17/2017	13.58	7.48	6.10
SMBRP-13	2/24/2017	13.58	9.32	4.26
SMBRP-13	3/27/2017	13.58	7.83	5.75
SMBRP-13	4/17/2017	13.58	8.55	5.03
SMBRP-13	5/22/2017	13.58	8.81	4.77
SMBRP-13	6/20/2017	13.58	7.78	5.80
SMBRP-13	7/28/2017	13.58	8.01	5.57
SMBRP-13	8/25/2017	13.58	8.04	5.54
SMBRP-13	9/11/2017	13.58	8.42	5.16
SMBRP-13	10/16/2017	13.58	8.05	5.53
SMBRP-13	11/15/2017	13.58	8.20	5.38
SMBRP-13	12/11/2017	13.58	9.00	4.58

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-15B	8/24/2015	16.77	dry	-
SMBRP-15B	9/21/2015	16.77	dry	-
SMBRP-15B	10/20/2015	16.77	dry	-
SMBRP-15B	11/16/2015	16.77	dry	-
SMBRP-15B	12/14/2015	16.77	dry	-
SMBRP-15B	1/14/2016	16.77	dry	-
SMBRP-15B	2/16/2016	16.77	dry	-
SMBRP-15B	3/14/2016	16.77	dry	-
SMBRP-15B	4/25/2016	16.77	dry	-
SMBRP-15B	5/16/2016	16.77	dry	-
SMBRP-15B	6/17/2016	16.77	dry	-
SMBRP-15B	7/20/2016	16.77	dry	-
SMBRP-15B	8/20/2016	16.77	dry	-
SMBRP-15B	9/19/2016	16.77	dry	-
SMBRP-15B	10/21/2016	16.77	dry	-
SMBRP-15B	11/18/2016	16.77	dry	-
SMBRP-15B	12/19/2016	16.77	dry	-
SMBRP-15B	1/17/2017	16.77	dry	-
SMBRP-15B	2/24/2017	16.77	dry	-
SMBRP-15B	3/27/2017	16.77	dry	-
SMBRP-15B	4/17/2017	16.77	dry	-
SMBRP-15B	5/22/2017	16.77	dry	-
SMBRP-15B	6/20/2017	16.77	dry	-
SMBRP-15B	7/28/2017	16.77	dry	-
SMBRP-15B	8/25/2017	16.77	dry	-
SMBRP-15B	9/11/2017	16.77	dry	-
SMBRP-15B	10/16/2017	16.77	dry	-
SMBRP-15B	11/15/2017	16.77	dry	-
SMBRP-15B	12/11/2017	16.77	dry	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
SMBRP-16	8/24/2015	14.50	4.95	9.55
SMBRP-16	9/21/2015	14.50	4.96	9.54
SMBRP-16	10/20/2015	14.50	5.34	9.16
SMBRP-16	11/16/2015	14.50	5.55	8.95
SMBRP-16	12/14/2015	14.50	5.59	8.91
SMBRP-16	1/14/2016	14.50	3.79	10.71
SMBRP-16	2/16/2016	14.50	4.60	9.90
SMBRP-16	3/14/2016	14.50	5.27	9.23
SMBRP-16	4/25/2016	14.50	4.65	9.85
SMBRP-16	5/16/2016	14.50	4.92	9.58
SMBRP-16	6/17/2016	14.50	5.15	9.35
SMBRP-16	7/20/2016	14.50	5.49	9.01
SMBRP-16	8/20/2016	14.50	5.72	8.78
SMBRP-16	9/19/2016	14.50	5.92	8.58
SMBRP-16	10/21/2016	14.50	6.18	8.32
SMBRP-16	11/18/2016	14.50	6.02	8.48
SMBRP-16	12/19/2016	14.50	5.23	9.27
SMBRP-16	1/17/2017	14.50	2.54	11.96
SMBRP-16	2/24/2017	14.50	0.51	13.99
SMBRP-16	3/27/2017	14.50	2.61	11.89
SMBRP-16	4/17/2017	14.50	4.28	10.22
SMBRP-16	5/22/2017	14.50	N/A	-
SMBRP-16	6/20/2017	14.50	N/A	-
SMBRP-16	7/28/2017	14.50	6.42	8.08
SMBRP-16	8/25/2017	14.50	6.63	7.87
SMBRP-16	9/11/2017	14.50	6.51	7.99
SMBRP-16	10/16/2017	14.50	4.84	9.66
SMBRP-16	11/15/2017	14.50	4.47	10.03
SMBRP-16	12/11/2017	14.50	4.8	9.70

Notes:

N/A: well not accessible

'- : no data available

TOC elevation referenced to NAVD88

TOC: top of well casing

ft bTOC: feet below top of well casing

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW01	8/24/2015	17.90	10.22	7.68
MCWP-MW01	9/21/2015	17.90	9.71	8.19
MCWP-MW01	10/20/2015	17.90	10.00	7.90
MCWP-MW01	11/16/2015	17.90	9.91	7.99
MCWP-MW01	12/14/2015	17.90	9.23	8.67
MCWP-MW01	1/14/2016	17.90	10.45	7.45
MCWP-MW01	2/16/2016	17.90	11.02	6.88
MCWP-MW01	3/14/2016	17.90	10.53	7.37
MCWP-MW01	4/25/2016	17.90	10.89	7.01
MCWP-MW01	5/16/2016	17.90	10.70	7.20
MCWP-MW01	6/17/2016	17.90	10.75	7.15
MCWP-MW01	7/20/2016	17.90	11.09	6.81
MCWP-MW01	8/20/2016	17.90	11.30	6.60
MCWP-MW01	9/19/2016	17.90	11.13	6.77
MCWP-MW01	10/21/2016	17.90	11.19	6.71
MCWP-MW01	11/18/2016	17.90	9.94	7.96
MCWP-MW01	12/19/2016	17.90	10.56	7.34
MCWP-MW01	1/17/2017	17.90	10.17	7.73
MCWP-MW01	2/24/2017	17.90	10.68	7.22
MCWP-MW01	3/27/2017	17.90	11.47	6.43
MCWP-MW01	4/17/2017	17.90	11.33	6.57
MCWP-MW01	5/22/2017	17.90	11.83	6.07
MCWP-MW01	6/20/2017	17.90	10.47	7.43
MCWP-MW01	7/28/2017	17.90	10.45	7.45
MCWP-MW01	8/25/2017	17.90	10.29	7.61
MCWP-MW01	9/11/2017	17.90	10.60	7.30
MCWP-MW01	10/16/2017	17.90	10.06	7.84
MCWP-MW01	11/15/2017	17.90	9.99	7.91
MCWP-MW01	12/11/2017	17.90	11.57	6.33

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW02	8/24/2015	18.06	10.39	7.67
MCWP-MW02	9/21/2015	18.06	9.92	8.14
MCWP-MW02	10/20/2015	18.06	10.25	7.81
MCWP-MW02	11/16/2015	18.06	10.16	7.90
MCWP-MW02	12/14/2015	18.06	9.14	8.92
MCWP-MW02	1/14/2016	18.06	10.68	7.38
MCWP-MW02	2/16/2016	18.06	11.13	6.93
MCWP-MW02	3/14/2016	18.06	10.72	7.34
MCWP-MW02	4/25/2016	18.06	11.08	6.98
MCWP-MW02	5/16/2016	18.06	10.55	7.51
MCWP-MW02	6/17/2016	18.06	10.82	7.24
MCWP-MW02	7/20/2016	18.06	11.10	6.96
MCWP-MW02	8/20/2016	18.06	11.35	6.71
MCWP-MW02	9/19/2016	18.06	11.59	6.47
MCWP-MW02	10/21/2016	18.06	11.41	6.65
MCWP-MW02	11/18/2016	18.06	10.16	7.90
MCWP-MW02	12/19/2016	18.06	10.82	7.24
MCWP-MW02	1/17/2017	18.06	10.44	7.62
MCWP-MW02	2/24/2017	18.06	10.68	7.38
MCWP-MW02	3/27/2017	18.06	11.96	6.10
MCWP-MW02	4/17/2017	18.06	11.35	6.71
MCWP-MW02	5/22/2017	18.06	12.03	6.03
MCWP-MW02	6/20/2017	18.06	10.74	7.32
MCWP-MW02	7/28/2017	18.06	10.56	7.50
MCWP-MW02	8/25/2017	18.06	10.62	7.44
MCWP-MW02	9/11/2017	18.06	10.79	7.27
MCWP-MW02	10/16/2017	18.06	10.28	7.78
MCWP-MW02	11/15/2017	18.06	10.49	7.57
MCWP-MW02	12/11/2017	18.06	8.65	9.41

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW03	9/21/2015	15.31	7.52	7.79
MCWP-MW03	10/20/2015	15.31	7.78	7.53
MCWP-MW03	11/16/2015	15.31	7.34	7.97
MCWP-MW03	12/14/2015	15.31	6.75	8.56
MCWP-MW03	1/14/2016	15.31	8.38	6.93
MCWP-MW03	2/16/2016	15.31	8.43	6.88
MCWP-MW03	3/14/2016	15.31	8.05	7.26
MCWP-MW03	4/25/2016	15.31	8.63	6.68
MCWP-MW03	5/16/2016	15.31	8.35	6.96
MCWP-MW03	6/17/2016	15.31	8.50	6.81
MCWP-MW03	7/20/2016	15.31	8.30	7.01
MCWP-MW03	8/20/2016	15.31	8.87	6.44
MCWP-MW03	9/19/2016	15.31	8.23	7.08
MCWP-MW03	10/21/2016	15.31	8.94	6.37
MCWP-MW03	11/18/2016	15.31	7.64	7.67
MCWP-MW03	12/19/2016	15.31	8.09	7.22
MCWP-MW03	1/17/2017	15.31	7.63	7.68
MCWP-MW03	2/24/2017	15.31	N/A	-
MCWP-MW03	3/27/2017	15.31	N/A	-
MCWP-MW03	4/17/2017	15.31	N/A	-
MCWP-MW03	5/22/2017	15.31	N/A	-
MCWP-MW03	6/20/2017	15.31	N/A	-
MCWP-MW03	7/28/2017	15.31	8.02	7.29
MCWP-MW03	8/25/2017	15.31	7.58	7.73
MCWP-MW03	9/11/2017	15.31	7.92	7.39
MCWP-MW03	10/16/2017	15.31	7.39	7.92
MCWP-MW03	11/15/2017	15.31	7.7	7.61
MCWP-MW03	12/11/2017	15.31	9.25	6.06

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW04D	8/24/2015	15.43	9.35	6.08
MCWP-MW04D	9/21/2015	15.43	8.84	6.59
MCWP-MW04D	10/20/2015	15.43	9.16	6.27
MCWP-MW04D	11/16/2015	15.43	9.13	6.30
MCWP-MW04D	12/14/2015	15.43	8.39	7.04
MCWP-MW04D	1/14/2016	15.43	9.59	5.84
MCWP-MW04D	2/16/2016	15.43	10.24	5.19
MCWP-MW04D	3/14/2016	15.43	9.69	5.74
MCWP-MW04D	4/25/2016	15.43	10.07	5.36
MCWP-MW04D	5/16/2016	15.43	9.83	5.60
MCWP-MW04D	6/17/2016	15.43	9.97	5.46
MCWP-MW04D	7/20/2016	15.43	10.22	5.21
MCWP-MW04D	8/20/2016	15.43	10.33	5.10
MCWP-MW04D	9/19/2016	15.43	10.32	5.11
MCWP-MW04D	10/21/2016	15.43	10.4	5.03
MCWP-MW04D	11/18/2016	15.43	9.12	6.31
MCWP-MW04D	12/19/2016	15.43	9.68	5.75
MCWP-MW04D	1/17/2017	15.43	9.34	6.09
MCWP-MW04D	2/24/2017	15.43	9.83	5.60
MCWP-MW04D	3/27/2017	15.43	10.61	4.82
MCWP-MW04D	4/17/2017	15.43	10.51	4.92
MCWP-MW04D	5/22/2017	15.43	10.99	4.44
MCWP-MW04D	6/20/2017	15.43	9.62	5.81
MCWP-MW04D	7/28/2017	15.43	9.62	5.81
MCWP-MW04D	8/25/2017	15.43	9.46	5.97
MCWP-MW04D	9/11/2017	15.43	9.72	5.71
MCWP-MW04D	10/16/2017	15.43	9.24	6.19
MCWP-MW04D	11/15/2017	15.43	9.13	6.30
MCWP-MW04D	12/11/2017	15.43	10.78	4.65

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW05	8/24/2015	13.92	7.62	6.30
MCWP-MW05	9/21/2015	13.92	7.30	6.62
MCWP-MW05	10/20/2015	13.92	7.47	6.45
MCWP-MW05	11/16/2015	13.92	7.42	6.50
MCWP-MW05	12/14/2015	13.92	6.39	7.53
MCWP-MW05	1/14/2016	13.92	7.82	6.10
MCWP-MW05	2/16/2016	13.92	8.37	5.55
MCWP-MW05	3/14/2016	13.92	7.96	5.96
MCWP-MW05	4/25/2016	13.92	8.27	5.65
MCWP-MW05	5/16/2016	13.92	7.78	6.14
MCWP-MW05	6/17/2016	13.92	8.05	5.87
MCWP-MW05	7/20/2016	13.92	8.41	5.51
MCWP-MW05	8/20/2016	13.92	8.69	5.23
MCWP-MW05	9/19/2016	13.92	8.98	4.94
MCWP-MW05	10/21/2016	13.92	N/A	-
MCWP-MW05	11/18/2016	13.92	N/A	-
MCWP-MW05	12/19/2016	13.92	N/A	-
MCWP-MW05	1/17/2017	13.92	N/A	-
MCWP-MW05	2/24/2017	13.92	N/A	-
MCWP-MW05	3/27/2017	13.92	8.39	5.53
MCWP-MW05	4/17/2017	13.92	8.48	5.44
MCWP-MW05	5/22/2017	13.92	N/A	-
MCWP-MW05	6/20/2017	13.92	N/A	-
MCWP-MW05	7/28/2017	13.92	N/A	-
MCWP-MW05	8/25/2017	13.92	N/A	-
MCWP-MW05	9/11/2017	13.92	8.15	5.77
MCWP-MW05	10/16/2017	13.92	7.48	6.44
MCWP-MW05	11/15/2017	13.92	7.41	6.51
MCWP-MW05	12/11/2017	13.92	8.78	5.14

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW06	8/24/2015	16.05	9.87	6.18
MCWP-MW06	9/21/2015	16.05	9.40	6.65
MCWP-MW06	10/20/2015	16.05	9.71	6.34
MCWP-MW06	11/16/2015	16.05	9.61	6.44
MCWP-MW06	12/14/2015	16.05	8.64	7.41
MCWP-MW06	1/14/2016	16.05	10.12	5.93
MCWP-MW06	2/16/2016	16.05	10.58	5.47
MCWP-MW06	3/14/2016	16.05	10.14	5.91
MCWP-MW06	4/25/2016	16.05	10.49	5.56
MCWP-MW06	5/16/2016	16.05	10.06	5.99
MCWP-MW06	6/17/2016	16.05	10.27	5.78
MCWP-MW06	7/20/2016	16.05	10.60	5.45
MCWP-MW06	8/20/2016	16.05	10.86	5.19
MCWP-MW06	9/19/2016	16.05	11.07	4.98
MCWP-MW06	10/21/2016	16.05	10.9	5.15
MCWP-MW06	11/18/2016	16.05	9.62	6.43
MCWP-MW06	12/19/2016	16.05	10.2	5.85
MCWP-MW06	1/17/2017	16.05	9.87	6.18
MCWP-MW06	2/24/2017	16.05	10.05	6.00
MCWP-MW06	3/27/2017	16.05	11.41	4.64
MCWP-MW06	4/17/2017	16.05	10.81	5.24
MCWP-MW06	5/22/2017	16.05	11.43	4.62
MCWP-MW06	6/20/2017	16.05	10.16	5.89
MCWP-MW06	7/28/2017	16.05	10.03	6.02
MCWP-MW06	8/25/2017	16.05	10.06	5.99
MCWP-MW06	9/11/2017	16.05	10.41	5.64
MCWP-MW06	10/16/2017	16.05	9.72	6.33
MCWP-MW06	11/15/2017	16.05	9.91	6.14
MCWP-MW06	12/11/2017	16.05	11.1	4.95

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW07D	8/24/2015	13.21	7.51	5.70
MCWP-MW07D	9/21/2015	13.21	7.44	5.77
MCWP-MW07D	10/20/2015	13.21	7.67	5.54
MCWP-MW07D	11/16/2015	13.21	7.27	5.94
MCWP-MW07D	12/14/2015	13.21	6.59	6.62
MCWP-MW07D	1/14/2016	13.21	8.32	4.89
MCWP-MW07D	2/16/2016	13.21	8.32	4.89
MCWP-MW07D	3/14/2016	13.21	7.92	5.29
MCWP-MW07D	4/25/2016	13.21	8.47	4.74
MCWP-MW07D	5/16/2016	13.21	8.26	4.95
MCWP-MW07D	6/17/2016	13.21	8.45	4.76
MCWP-MW07D	7/20/2016	13.21	8.18	5.03
MCWP-MW07D	8/20/2016	13.21	8.77	4.44
MCWP-MW07D	9/19/2016	13.21	8.12	5.09
MCWP-MW07D	10/21/2016	13.21	8.81	4.40
MCWP-MW07D	11/18/2016	13.21	7.54	5.67
MCWP-MW07D	12/19/2016	13.21	7.99	5.22
MCWP-MW07D	1/17/2017	13.21	7.52	5.69
MCWP-MW07D	2/24/2017	13.21	N/A	-
MCWP-MW07D	3/27/2017	13.21	N/A	-
MCWP-MW07D	4/17/2017	13.21	N/A	-
MCWP-MW07D	5/22/2017	13.21	N/A	-
MCWP-MW07D	6/20/2017	13.21	N/A	-
MCWP-MW07D	7/28/2017	13.21	7.91	5.30
MCWP-MW07D	8/25/2017	13.21	7.44	5.77
MCWP-MW07D	9/11/2017	13.21	7.91	5.30
MCWP-MW07D	10/16/2017	13.21	7.2	6.01
MCWP-MW07D	11/15/2017	13.21	7.54	5.67
MCWP-MW07D	12/11/2017	13.21	9.12	4.09

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
MCWP-MW09	8/24/2015	16.30	5.69	10.61
MCWP-MW09	9/21/2015	16.30	5.42	10.88
MCWP-MW09	10/20/2015	16.30	5.68	10.62
MCWP-MW09	11/16/2015	16.30	5.50	10.80
MCWP-MW09	12/14/2015	16.30	4.75	11.55
MCWP-MW09	1/14/2016	16.30	6.37	9.93
MCWP-MW09	2/16/2016	16.30	6.42	9.88
MCWP-MW09	3/14/2016	16.30	6.04	10.26
MCWP-MW09	4/25/2016	16.30	6.38	9.92
MCWP-MW09	5/16/2016	16.30	5.85	10.45
MCWP-MW09	6/17/2016	16.30	5.96	10.34
MCWP-MW09	7/20/2016	16.30	6.44	9.86
MCWP-MW09	8/20/2016	16.30	6.54	9.76
MCWP-MW09	9/19/2016	16.30	6.26	10.04
MCWP-MW09	10/21/2016	16.30	6.71	9.59
MCWP-MW09	11/18/2016	16.30	5.68	10.62
MCWP-MW09	12/19/2016	16.30	6.31	9.99
MCWP-MW09	1/17/2017	16.30	5.79	10.51
MCWP-MW09	2/24/2017	16.30	6.78	9.52
MCWP-MW09	3/27/2017	16.30	7.12	9.18
MCWP-MW09	4/17/2017	16.30	6.83	9.47
MCWP-MW09	5/22/2017	16.30	7.72	8.58
MCWP-MW09	6/20/2017	16.30	6.24	10.06
MCWP-MW09	7/28/2017	16.30	5.76	10.54
MCWP-MW09	8/25/2017	16.30	5.78	10.52
MCWP-MW09	9/11/2017	16.30	5.85	10.45
MCWP-MW09	10/16/2017	16.30	5.9	10.40
MCWP-MW09	11/15/2017	16.30	5.7	10.60
MCWP-MW09	12/11/2017	16.30	7.1	9.20

Notes:
N/A: well not accessible
'- : no data available
TOC elevation referenced to NAVD88
TOC: top of well casing
ft bTOC: feet below top of well casing

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	Date	TOC Elevation (ft)	Depth to Water (ft bTOC)	Groundwater Elevation
LAMW-5S	8/24/2015	104.55	53.71	50.84
LAMW-5S	9/21/2015	104.55	53.30	51.25
LAMW-5S	10/20/2015	104.55	53.74	50.81
LAMW-5S	11/16/2015	104.55	53.90	50.65
LAMW-5S	12/14/2015	104.55	53.54	51.01
LAMW-5S	1/14/2016	104.55	54.02	50.53
LAMW-5S	2/16/2016	104.55	53.69	50.86
LAMW-5S	3/14/2016	104.55	53.92	50.63
LAMW-5S	4/25/2016	104.55	53.88	50.67
LAMW-5S	5/16/2016	104.55	53.98	50.57
LAMW-5S	6/17/2016	104.55	53.97	50.58
LAMW-5S	7/20/2016	104.55	54.23	50.32
LAMW-5S	8/20/2016	104.55	54.42	50.13
LAMW-5S	9/19/2016	104.55	54.77	49.78
LAMW-5S	10/21/2016	104.55	55	49.55
LAMW-5S	11/18/2016	104.55	54.91	49.64
LAMW-5S	12/19/2016	104.55	53.83	50.72
LAMW-5S	1/17/2017	104.55	53.81	50.74
LAMW-5S	2/24/2017	104.55	50.54	54.01
LAMW-5S	3/27/2017	104.55	48.71	55.84
LAMW-5S	4/17/2017	104.55	48.24	56.31
LAMW-5S	5/22/2017	104.55	48.23	56.32
LAMW-5S	6/20/2017	104.55	48.39	56.16
LAMW-5S	7/28/2017	104.55	49.08	55.47
LAMW-5S	8/25/2017	104.55	49.77	54.78
LAMW-5S	9/11/2017	104.55	49.75	54.80
LAMW-5S	10/16/2017	104.55	50.99	53.56
LAMW-5S	11/15/2017	104.55	51.66	52.89
LAMW-5S	12/11/2017	104.55	52.42	52.13

Table 1
Groundwater Elevations

SMBRP-11	8/24/2015	18.35	8.88	9.47
SMBRP-11	9/21/2015	18.35	8.70	9.65
SMBRP-11	10/20/2015	18.35	8.36	9.99
SMBRP-11	11/16/2015	18.35	8.64	9.71
SMBRP-11	12/14/2015	18.35	8.35	10.00
SMBRP-11	1/14/2016	18.35	8.00	10.35
SMBRP-11	2/16/2016	18.35	8.30	10.05
SMBRP-11	3/14/2016	18.35	7.89	10.46
SMBRP-11	4/25/2016	18.35	8.63	9.72
SMBRP-11	5/16/2016	18.35	8.62	9.73
SMBRP-11	6/17/2016	18.35	8.39	9.96
SMBRP-11	7/20/2016	18.35	8.00	10.35
SMBRP-11	8/20/2016	18.35	8.44	9.91
SMBRP-11	9/19/2016	18.35	8.56	9.79
SMBRP-11	10/21/2016	18.35	8.71	9.64
SMBRP-11	11/18/2016	18.35	8.47	9.88
SMBRP-11	12/19/2016	18.35	8.71	9.64
SMBRP-11	1/17/2017	18.35	7.81	10.54
SMBRP-11	2/24/2017	18.35	7.22	11.13
SMBRP-11	3/27/2017	18.35	7.97	10.38
SMBRP-11	4/17/2017	18.35	8.19	10.16
SMBRP-11	5/22/2017	18.35	8.45	9.90
SMBRP-11	6/20/2017	18.35	8.41	9.94
SMBRP-11	7/28/2017	18.35	8.25	10.10
SMBRP-11	8/25/2017	18.35	8.26	10.09
SMBRP-11	9/11/2017	18.35	8.50	9.85
SMBRP-11	10/16/2017	18.35	8.51	9.84
SMBRP-11	11/15/2017	18.35	8.57	9.78
SMBRP-11	12/11/2017	18.35	8.65	9.70

Notes:

N/A: well not accessible

'- : no data available

TOC elevation referenced to NAVD88

TOC: top of well casing

ft bTOC: feet below top of well casing

Table 2
Baseline Groundwater and Surface Water Analysis Matrix

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

Table 2
Baseline Groundwater and Surface Water Analysis Matrix

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

Surface Water

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

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

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)					
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Nitrogen, Organic	Ammonia Nitrogen	Kjeldahl Nitrogen	Phosphorous, Total
Near Shore	Ankle Depth	N-001	3/31/2017	14	6.8	0.2	<0.1	<0.5	<0.2	<0.5	1.69
			6/19/2017	23	7.8	<0.1	<0.1	0.519	<0.2	0.596	2.06
			8/29/2017	23	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	2.10
			12/28/2017	2	<1.8	0.07	0.012	<0.5	<0.2	<0.5	<0.1
		N-002	3/31/2017	13	<1.8	0.1	<0.1	<0.5	<0.2	<0.5	0.127
			6/19/2017	<1.8	<1.8	<0.1	<0.1	2.25	<0.2	2.25	2.03
			8/29/2017	7.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	2.14
			12/28/2017	31	17	0.07	0.012	<0.5	<0.2	<0.5	<0.1
		N-003	3/31/2017	350	33	0.1	<0.1	10.8	<0.2	10.8	0.467
			6/19/2017	7.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.474
			8/29/2017	7.8	2.0	<0.1	<0.1	<0.5	<0.2	<0.5	1.15
			12/28/2017	17	14	0.07	<0.1	<0.5	<0.2	<0.5	<0.1
		N-004	3/31/2017	6.8	2	<0.1	0.153	<0.5	<0.2	<0.5	1.87
			6/19/2017	7.8	7.8	<0.1	<0.1	0.647	<0.2	0.647	1.24
			8/29/2017	79	79	<0.1	<0.1	<0.5	<0.2	<0.5	<0.1
			12/28/2017	17	17	0.07	0.012	<0.5	<0.2	<0.5	0.044
Malibu Lagoon and Creek	1 foot BSW	L-001	3/31/2017	540	<1.8	1.5	<0.1	1.84	<0.2	1.84	0.577
			6/19/2017	350	49	0.6	<0.1	0.617	<0.2	0.617	0.387
			8/29/2017	>1,600	130	0.2	<0.1	0.834	<0.2	0.834	0.156
			12/28/2017	1,600	70	0.7	0.017	<0.5	<0.2	<0.5	0.174
		L-002	3/31/2017	130	33	1.5	<0.1	<0.5	<0.2	<0.5	0.464
			6/19/2017	540	33	0.2	<0.1	<0.5	<0.2	0.604	0.459
			8/29/2017	>1,600	7.8	<0.1	<0.1	1.21	<0.2	1.21	0.161
			12/28/2017	240	33	0.2	0.015	<0.5	<0.2	<0.5	0.056
		L-003	3/31/2017	70	23	1.2	<0.1	0.511	<0.2	0.511	0.446
			6/19/2017	220	17	<0.1	<0.1	0.714	<0.2	0.714	1.69
			8/29/2017	>1,600	33	<0.1	<0.1	0.898	<0.2	0.898	0.186
			12/28/2017	>1,600	13	0.08	<0.1	0.393	<0.2	0.393	<0.1
		L-004	3/31/2017	540	170	0.4	<0.1	1.67	<0.2	1.67	0.394
			6/19/2017	540	350	<0.1	<0.1	1.06	<0.2	1.06	0.477
			8/29/2017	>1,600	49	<0.1	<0.1	0.653	<0.2	0.653	0.151
			12/28/2017	540	170	0.08	<0.1	<0.5	<0.2	<0.5	<0.1

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)					
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Nitrogen, Organic	Ammonia Nitrogen	Kjeldahl Nitrogen	Phosphorous, Total
Malibu Lagoon and Creek	1 foot BSW	L-005	3/31/2017	170	22	0.2	<0.1	<0.5	<0.2	<0.5	0.104
			6/19/2017	240	240	<0.1	<0.1	0.976	<0.2	0.976	0.902
			8/29/2017	920	70	<0.1	<0.1	1.22	<0.2	1.22	0.135
			12/28/2017	>1,600	>1,600	0.7	0.018	0.703	<0.2	0.703	0.191
		L-006	3/31/2017	540	11	<0.1	<0.1	13.6	<0.2	13.6	3.50
			6/19/2017	33	7.8	<0.1	<0.1	1.12	<0.2	1.12	0.714
			8/29/2017	1,600	26	<0.1	<0.1	1.76	<0.2	1.76	0.110
			12/28/2017	920	170	0.07	<0.1	4.27	<0.2	4.27	0.333

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

Table 4
Groundwater Analytical Results

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

Table 4
Groundwater Analytical Results

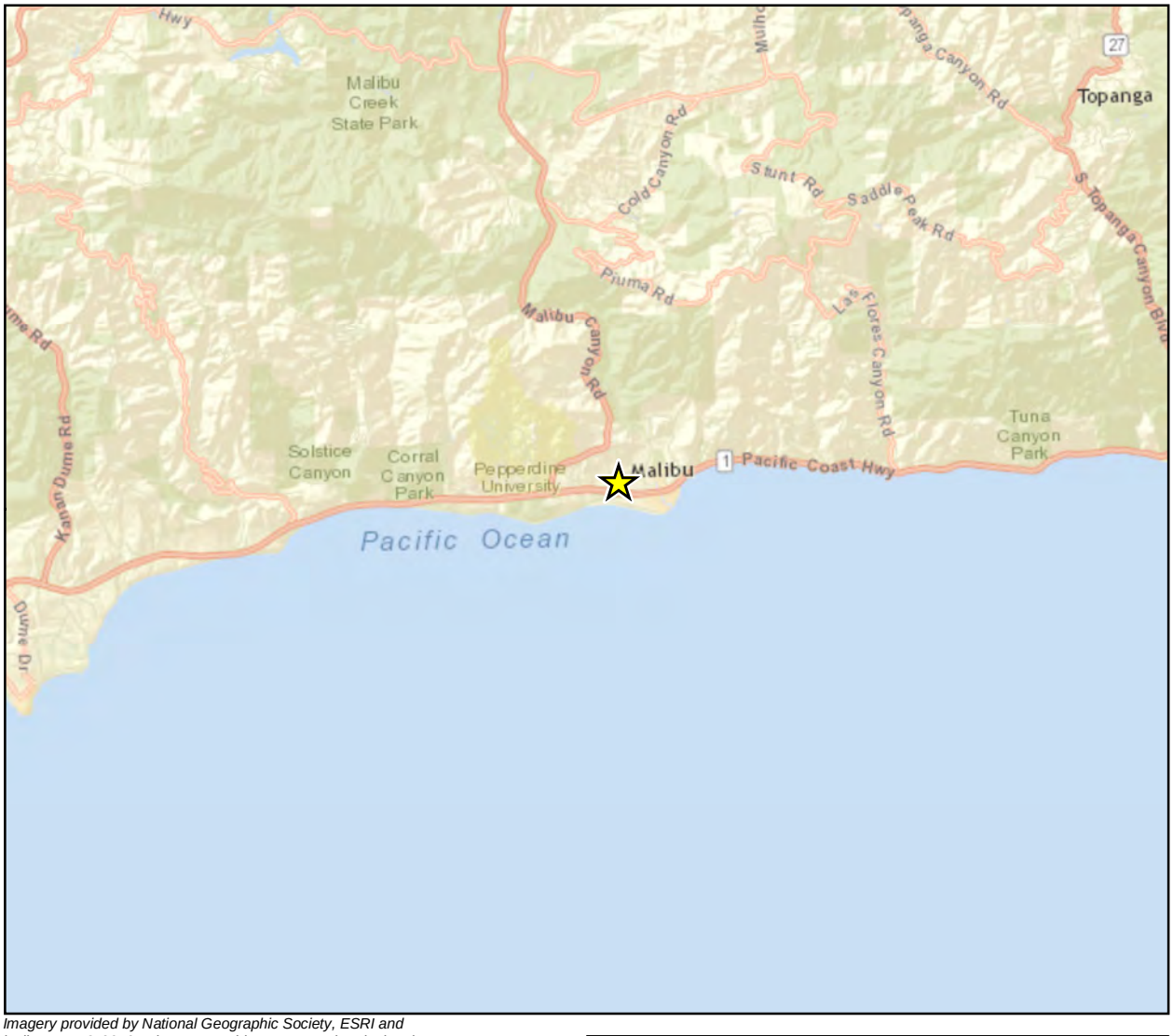
			Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)												
Well ID	**Well Depth (BGS)**	**Sample Date**	**Total**	**Fecal**	**Nitrate as NO_3**	**Nitrite Nitrogen**	**Nitrate + Nitrite as N**	**Nitrate Nitrogen**	**Nitrogen, Organic**	**Ammonia Nitrogen**	**Kjeldahl Nitrogen**	**Nitrogen, Total as Nitrogen**	**Phosphorous, Total**	**Boron**	**Sulfate**	**Total Dissolved Solids (TDS)**	**Chloride**
MCWP-MW04S	20 feet	9/28/2015	17	<1.8	<0.4	<0.1	<0.1	<0.1	1.00	<0.2	1.00	1.26	0.516	2.09	3440	6,510	480
		12/15/2015	<1.8	<1.8	-	-	-	-	-	-	-	-	-	-	-	-	-
		3/16/2016	1.8	<1.8	-	<0.1	-	0.2	1.60	<0.2	1.60	-	0.548	-	-	6,320	-
		9/21/2016	<1.8	<1.8	1.18	<0.1	0.3	0.3	0.60	<0.2	0.60	0.9	0.583	2.25	2980	6,750	744
		3/28/2017	33	<1.8	-	<0.1	-	2.0	1.44	<0.2	1.44	-	0.417	-	-	6,360	-
		9/13/2017	<1.8	<1.8	3	<0.1	0.671	0.7	<0.5	<0.2	<0.5	0.671	0.449	2.11	2,880	6,380	791
MCWP-MW04D	148 feet	9/28/2015	17	<1.8	6.44	<0.1	1.5	1.5	<0.5	0.117	<0.5	1.5	0.154	0.772	527	1,630	216
		3/17/2016	<1.8	<1.8	-	<0.1	-	1.7	<0.5	<0.2	<0.5	-	<0.1	-	-	1,600	-
		9/22/2016	<1.8	<1.8	8.63	<0.1	1.9	1.9	<0.5	<0.2	<0.5	1.9	<0.1	0.774	531	1,550	232
		3/30/2017	130	<1.8	-	<0.1	-	0.8	<0.5	<0.2	<0.5	-	0.795	-	-	232	-
		9/15/2017	<1.8	<1.8	8.05	<0.1	1.8	1.8	<0.5	<0.2	<0.5	1.8	0.123	0.866	554	1,600	250
MCWP-MW05	154 feet	9/23/2015	-	-	-	-	-	2.3	-	-	-	-	-	-	-	1,400	-
		3/17/2016	-	-	-	-	-	2.1	-	-	-	-	-	-	-	1,400	-
		9/22/2016	-	-	-	-	-	2.2	-	-	-	-	-	-	-	1,450	-
		3/29/2017	-	-	-	-	-	2.4	-	-	-	-	-	-	-	171	-
		9/15/2017	-	-	-	-	-	2.4	-	-	-	-	-	-	-	1,410	-
MCWP-MW06	138 feet	9/23/2015	-	-	-	-	-	0.2	-	-	-	-	-	-	-	1,590	-
		3/16/2016	-	-	-	-	-	0.1	-	-	-	-	-	-	-	1,520	-
		9/21/2016	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	1,550	-
		3/28/2017	-	-	-	-	-	3.6	-	-	-	-	-	-	-	383	-
		9/14/2017	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	1,630	-
MCWP-MW07S	20 feet	9/22/2015	4.5	<1.8	28.8	<0.1	6.5	6.5	<0.5	<0.2	<0.5	6.71	0.451	0.41	294	1,230	227
		3/16/2016	49	<1.8	-	0.24	-	4.8	<0.5	<0.2	<0.5	-	2.39	-	-	1,180	-
		9/20/2016	<1.8	<1.8	22.8	<0.1	5.2	5.2	<0.5	<0.2	<0.5	5.2	0.545	0.39	234	1,160	217
		3/30/2017	*Well not accessible at time of sampling*														
		9/12/2017	<1.8	<1.8	22	<0.1	5.0	5.0	<0.5	<0.2	<0.5	5.0	0.214	0.387	268	1,150	201
MCWP-MW07D	130 feet	9/22/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	0.23	<0.5	0.524	0.318	0.476	1010	2,300	348
		3/16/2016	<1.8	<1.8	-	<0.1	-	<0.1	1.15	<0.2	1.15	-	0.239	-	-	2,470	-
		9/22/2016	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	0.283	<0.5	<0.5	0.125	0.412	474	1,680	229
		3/30/2017	*Well not accessible at time of sampling*														
		9/15/2017	13	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	0.168	<0.5	<0.5	0.181	0.465	600	1,860	262

Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)												
Well ID	**Well Depth (BGS)**	**Sample Date**	**Total**	**Fecal**	**Nitrate as NO_3**	**Nitrite Nitrogen**	**Nitrate + Nitrite as N**	**Nitrate Nitrogen**	**Nitrogen, Organic**	**Ammonia Nitrogen**	**Kjeldahl Nitrogen**	**Nitrogen, Total as Nitrogen**	**Phosphorous, Total**	**Boron**	**Sulfate**	**Total Dissolved Solids (TDS)**	**Chloride**
MCWP-MW09	95 feet	12/16/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	<0.2	1.41	1.41	0.218	0.74	590	2,570	723
		3/15/2016	<1.8	<1.8	-	<0.1	-	<0.1	0.84	2.36	3.2	-	0.355	-	-	2,410	-
		9/21/2016	<1.8	<1.8	<0.4	<2	<0.1	<0.1	<0.5	4.18	3.88	3.88	<0.1	0.972	807	4,920	1,740
		3/29/2017	13	7.8	-	<0.1	-	1.4	0.583	<0.2	0.731	-	0.336	-	-	1,070	-
		9/13/2017	2	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	2.8	1.45	1.48	0.314	0.853	655	3,080	1,090
MCWP-MW10	22 feet	9/29/2015	2	<1.8	-	-	-	0.4	<1	<0.2	<1	-	<0.1	-	-	1,550	-
		3/15/2016	2	<1.8	-	<0.1	-	0.6	1.28	<0.2	1.28	-	<0.1	-	-	1,800	-
		9/20/2016	<1.8	<1.8	-	<0.1	-	0.7	<0.5	<0.2	<0.5	-	<0.1	-	-	1,730	-
		3/29/2017	<1.8	<1.8	-	<0.1	-	1.0	<0.5	<0.2	<0.5	-	<0.1	-	-	1,990	-
		9/14/2017	17	<1.8	-	<0.1	-	<0.1	<0.5	<0.2	<0.5	-	<0.1	-	-	6,720	-
TY-MW-1	41 feet	12/15/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	1.09	0.613	0.703	0.416	0.272	658	2,170	410
		3/16/2016	<1.8	<1.8	-	<0.1	-	<0.1	1.03	0.433	1.46	-	0.758	-	-	2,160	-
		9/21/2016	<1.8	<1.8	0.218	<0.1	<0.1	<0.1	<0.5	0.432	<0.5	0.516	1.64	0.286	610	2,290	396
		3/29/2017	4.5	<1.8	-	<0.1	-	0.1	3.38	0.310	3.69	-	6.08	-	-	2,140	-
		9/14/2017	*Well not accessible at time of sampling*														
CCPE	52 feet	9/23/2015	>1,600	49	-	-	-	1.4	<1	<0.2	<1	-	<0.1	-	-	1,630	-
		3/15/2016	240	4.5	-	<0.1	-	0.9	0.664	<0.2	0.664	-	<0.1	-	-	1,800	-
		9/20/2016	540	<1.8	-	<0.1	-	0.9	<0.5	<0.2	<0.5	-	<0.1	-	-	2,880	-
		3/28/2017	>1,600	350	-	<0.1	-	0.6	3.60	1.11	4.71	-	0.932	-	-	968	-
		9/13/2017	17	<1.8	-	<0.1	-	<0.1	<0.5	<0.2	<0.5	-	0.179	-	-	7,700	-

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

Figures



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Project Location

N

0 1 2

Miles

Vicinity Map

Figure 1

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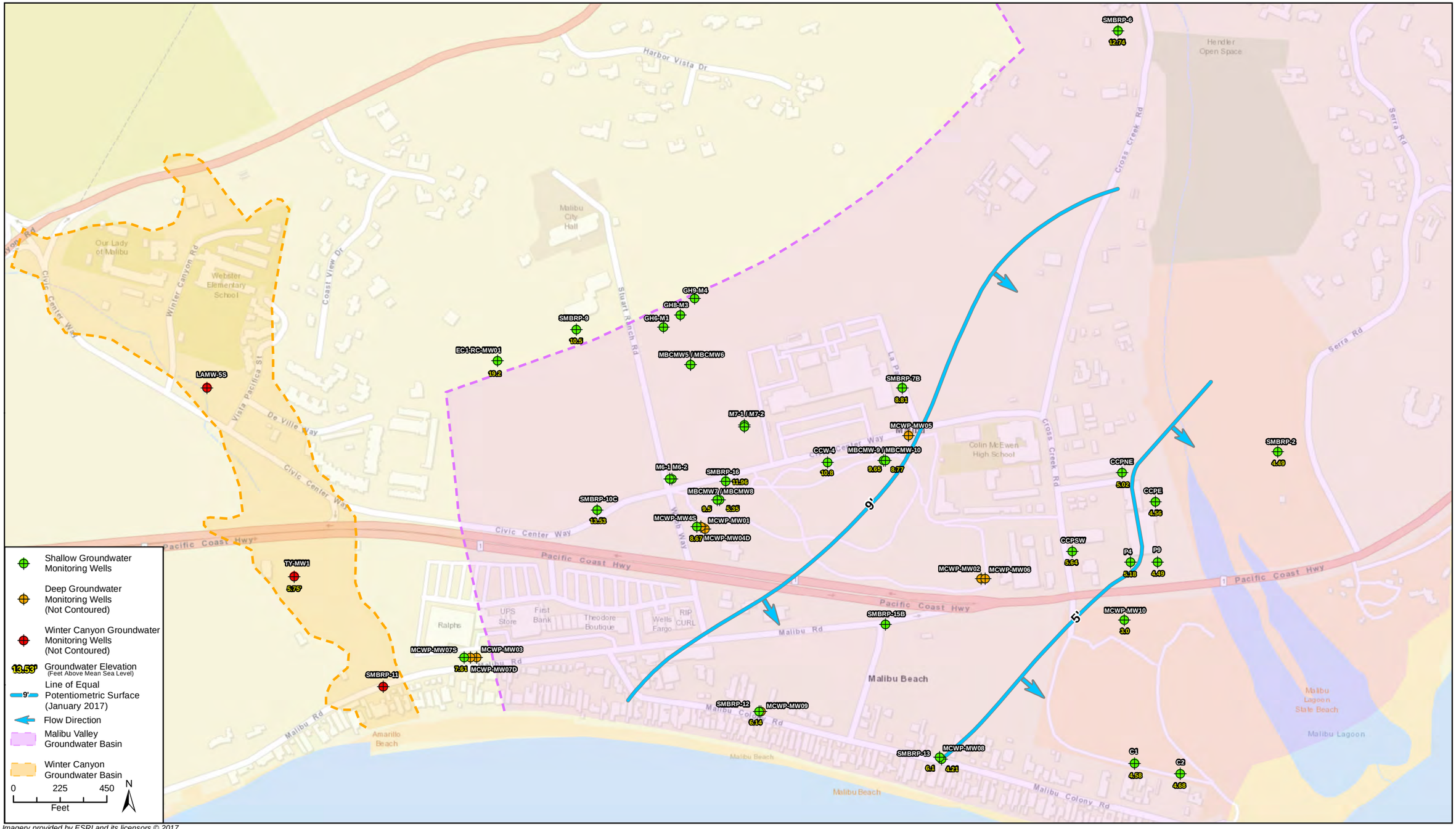
Site Map - Civic Center Area

Figure 2

Rincon Consultants Inc.



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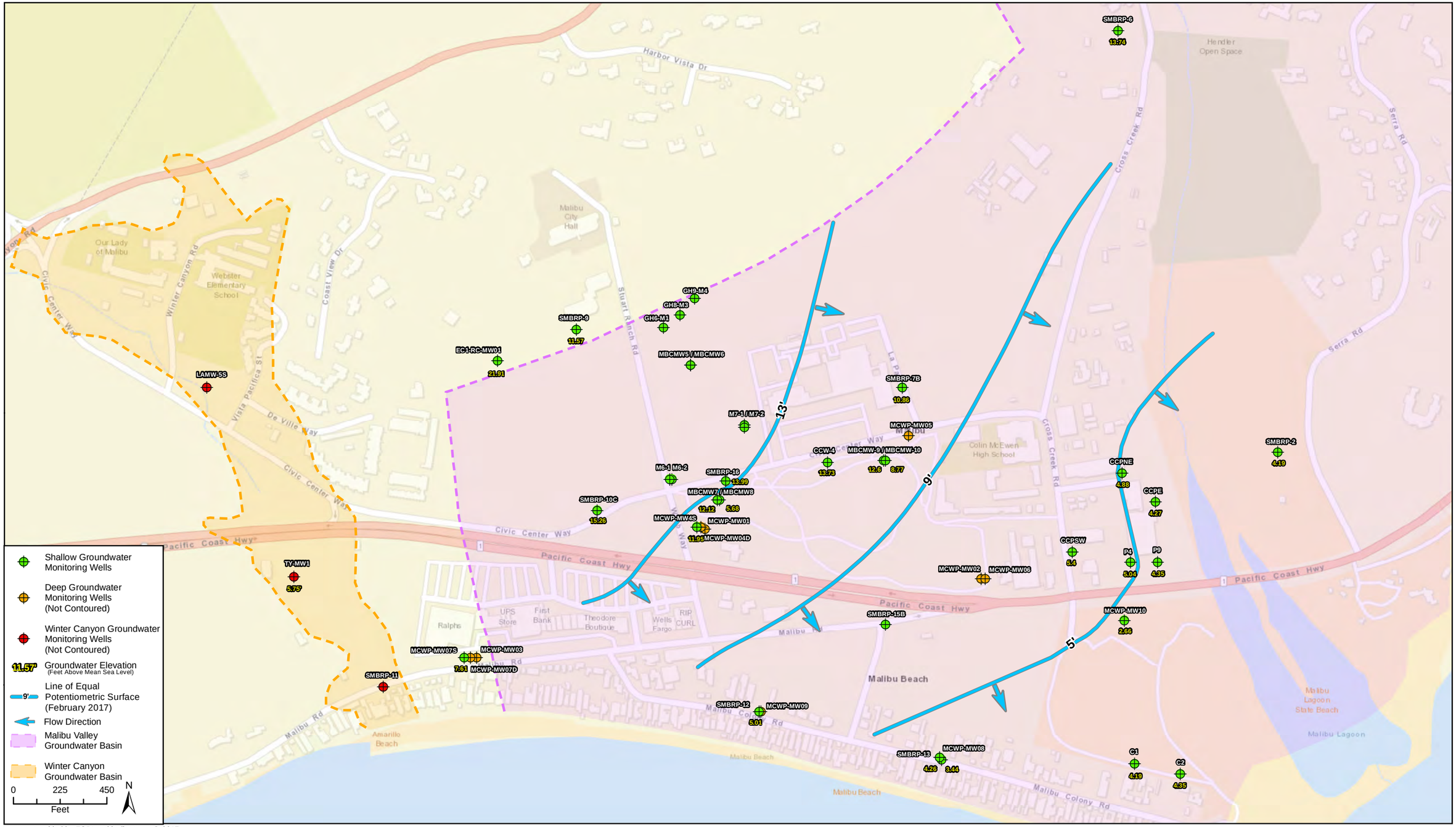
Shallow Groundwater Elevation
January 2017

Figure 3

Rincon Consultants Inc.



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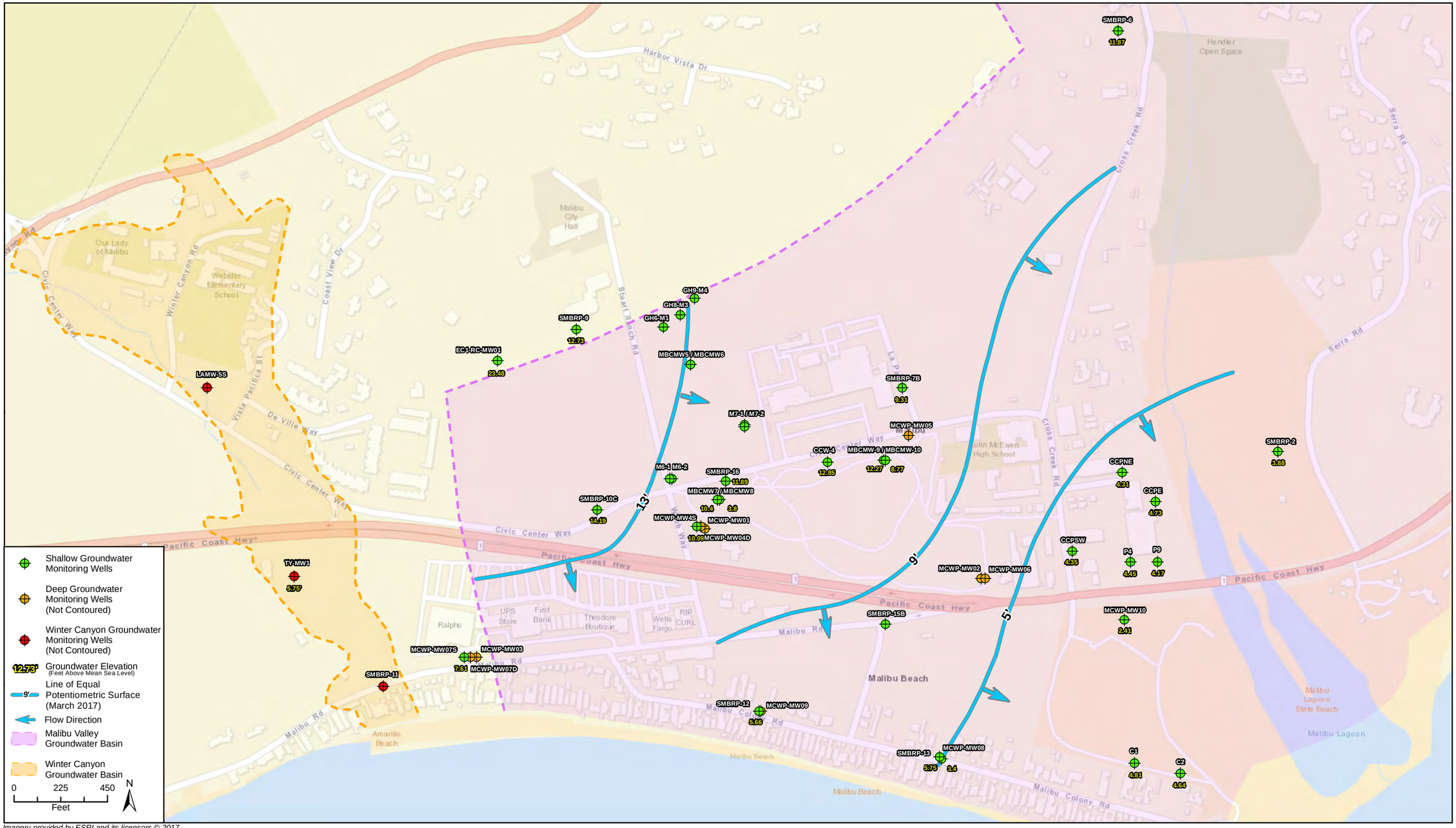
Shallow Groundwater Elevations
February 2017

Figure 4

Rincon Consultants Inc.



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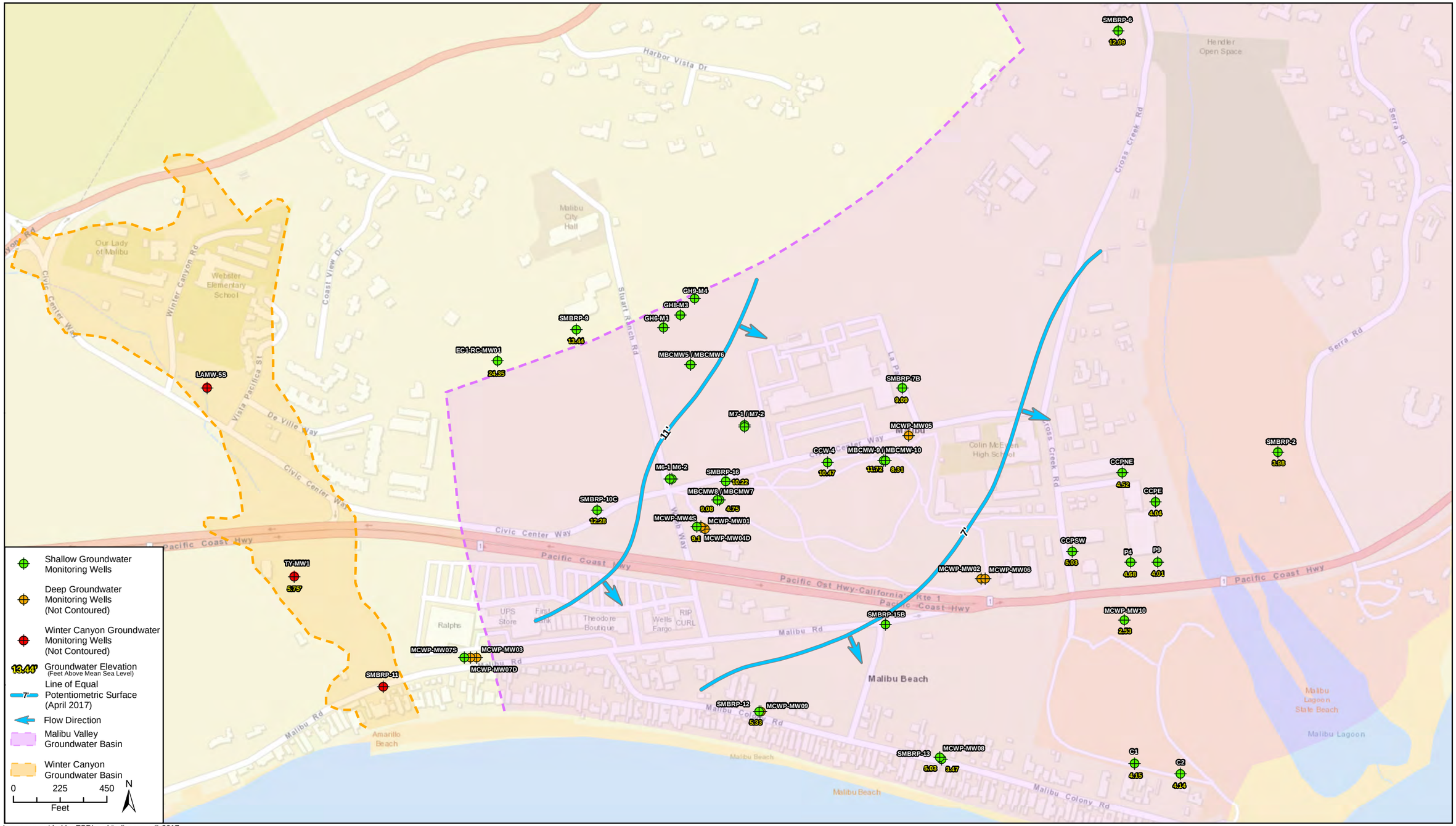
Shallow Groundwater Elevations
March 2017

Figure 5



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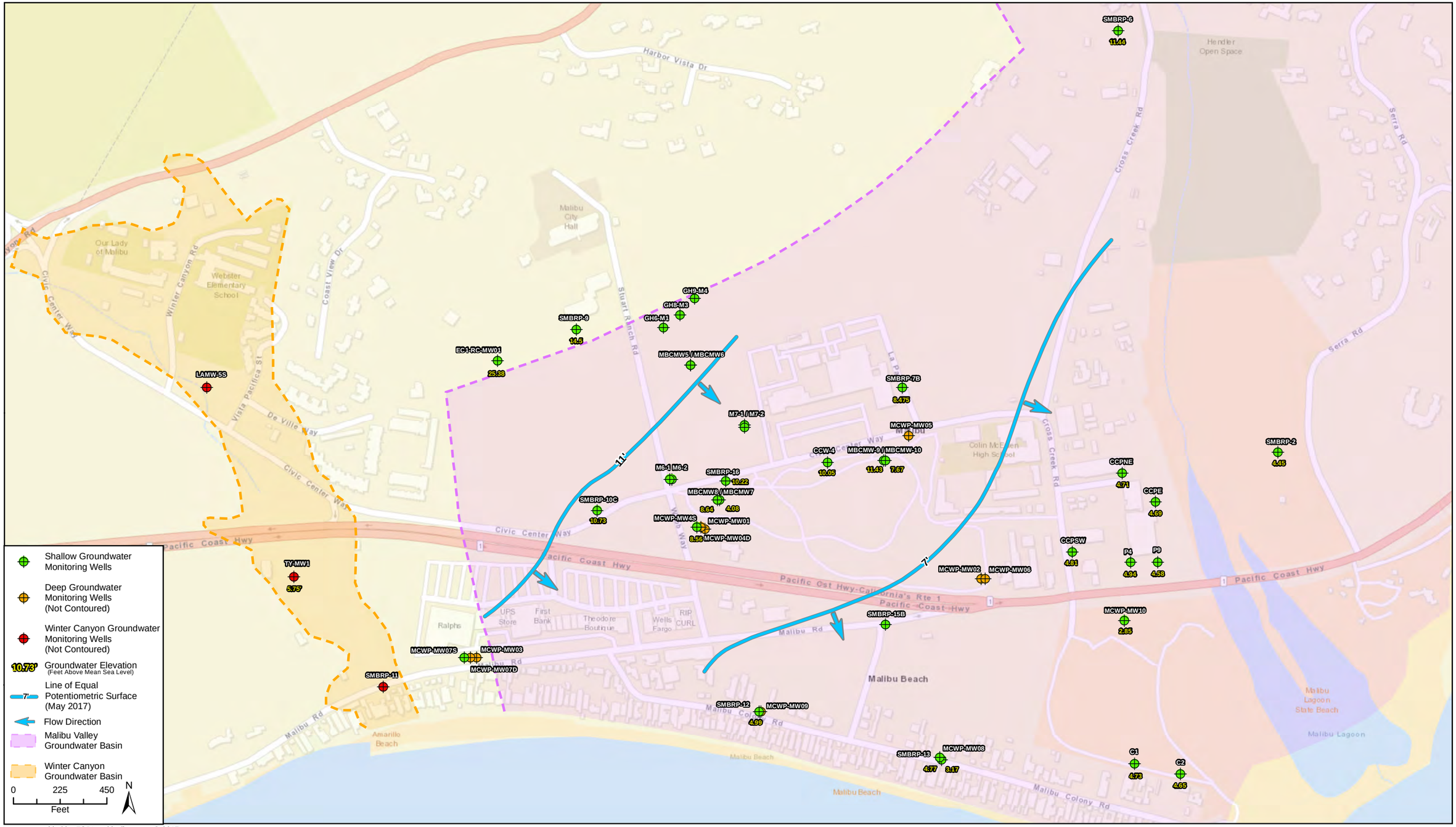
Shallow Groundwater Elevation
April 2017

Figure 6



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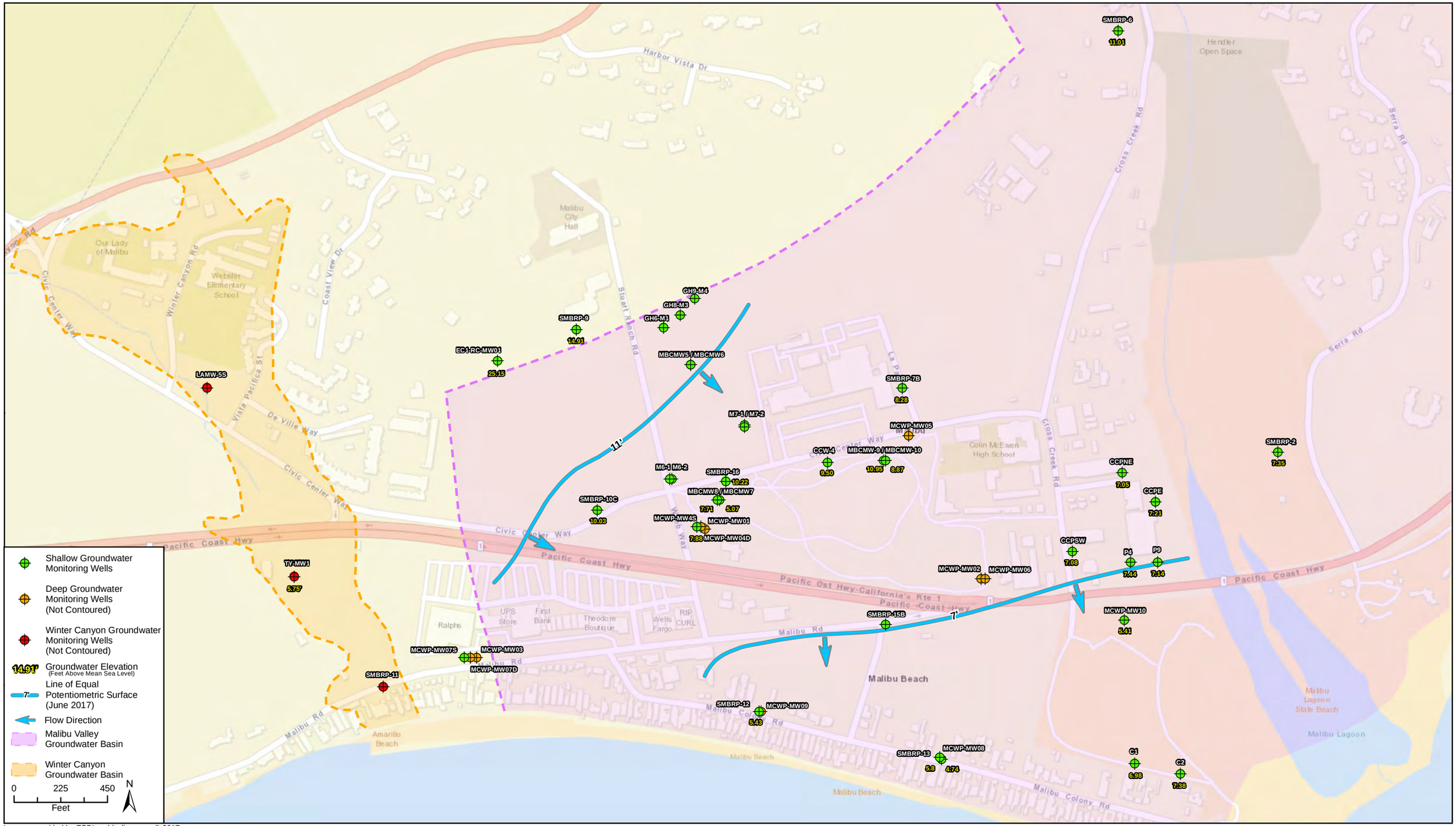
Shallow Groundwater Elevations
May 2017

Figure 7



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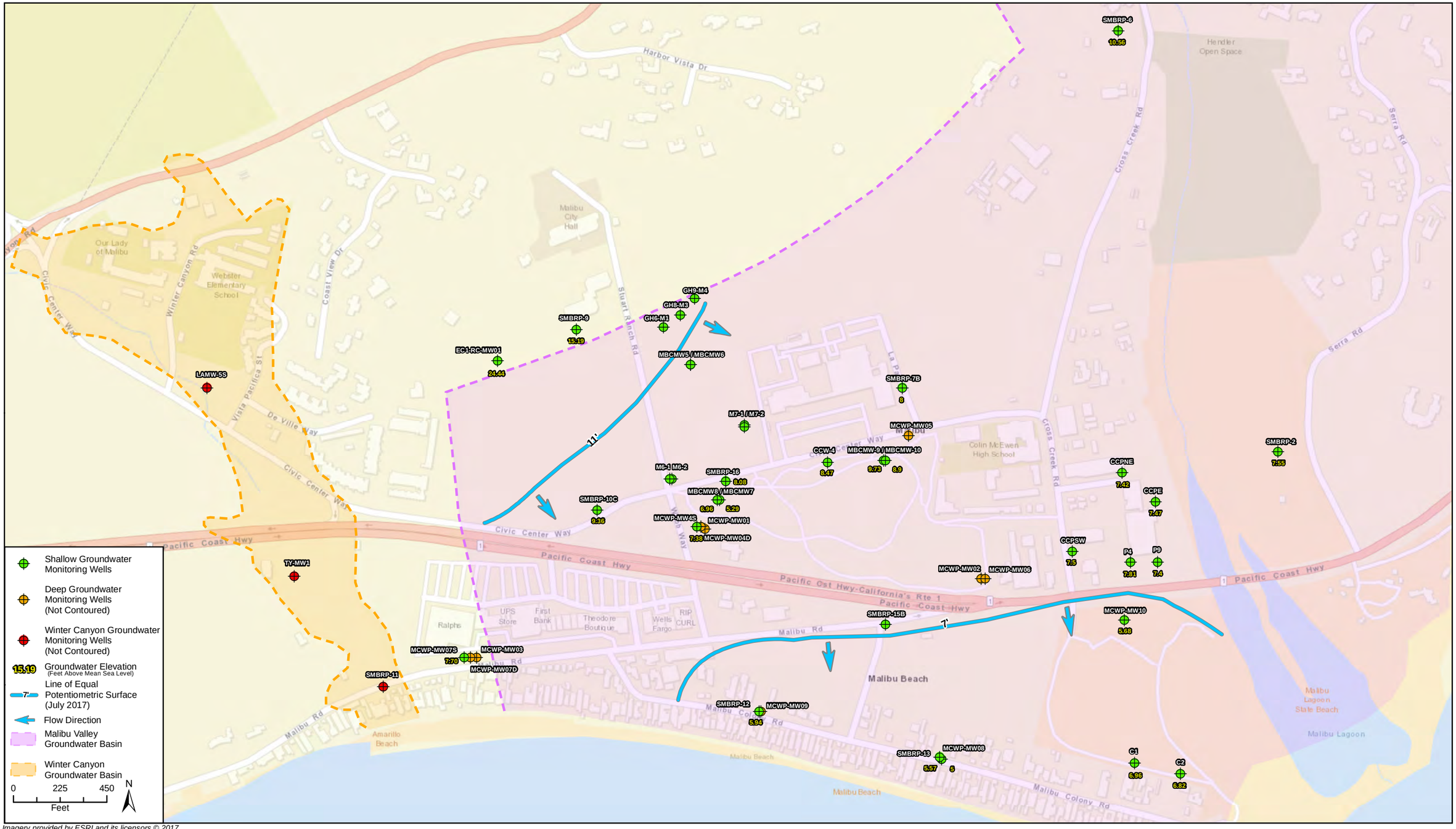
Shallow Groundwater Elevations
June 2017

Figure 8



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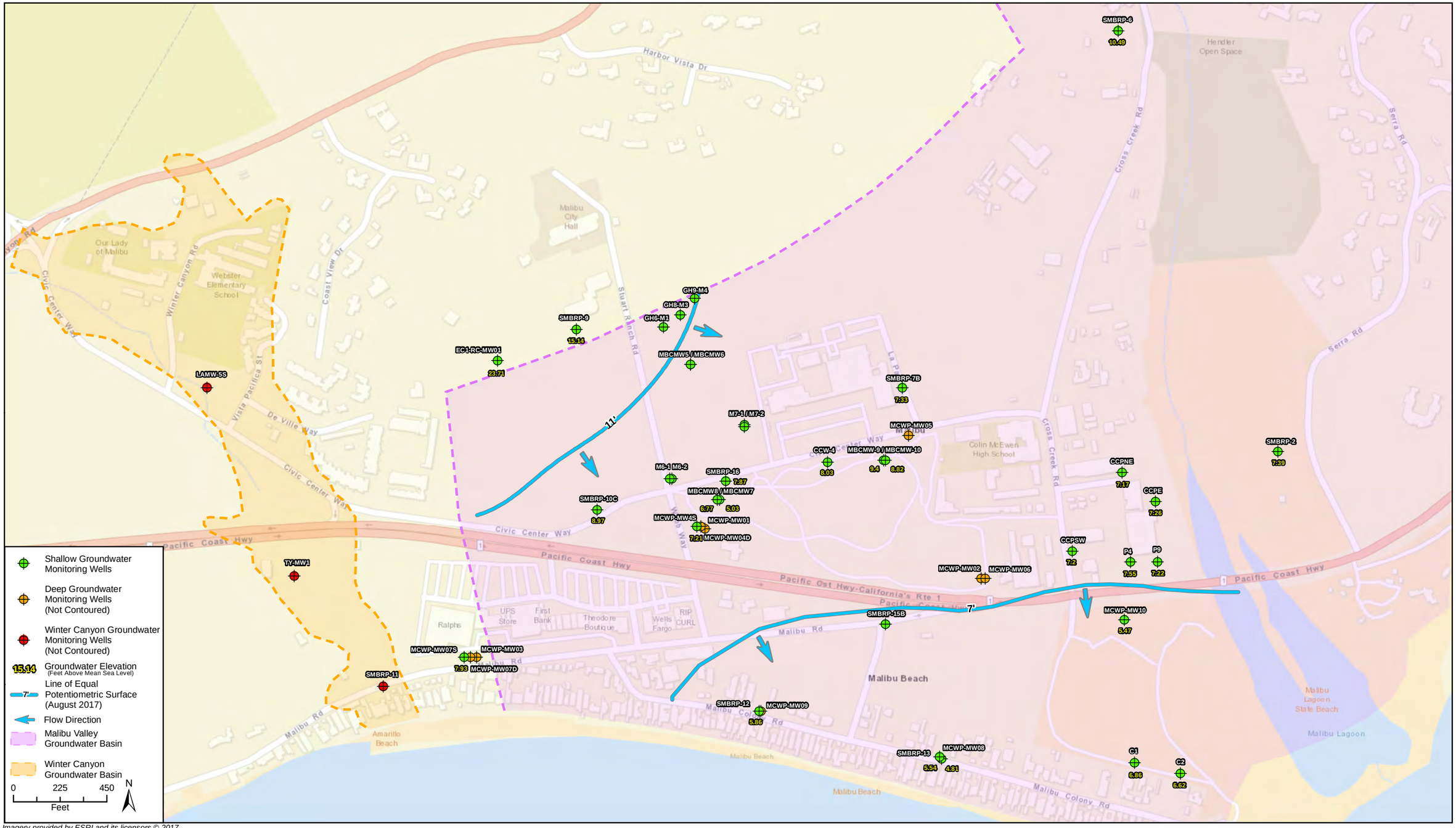
Shallow Groundwater Elevation
July 2017

Figure 9



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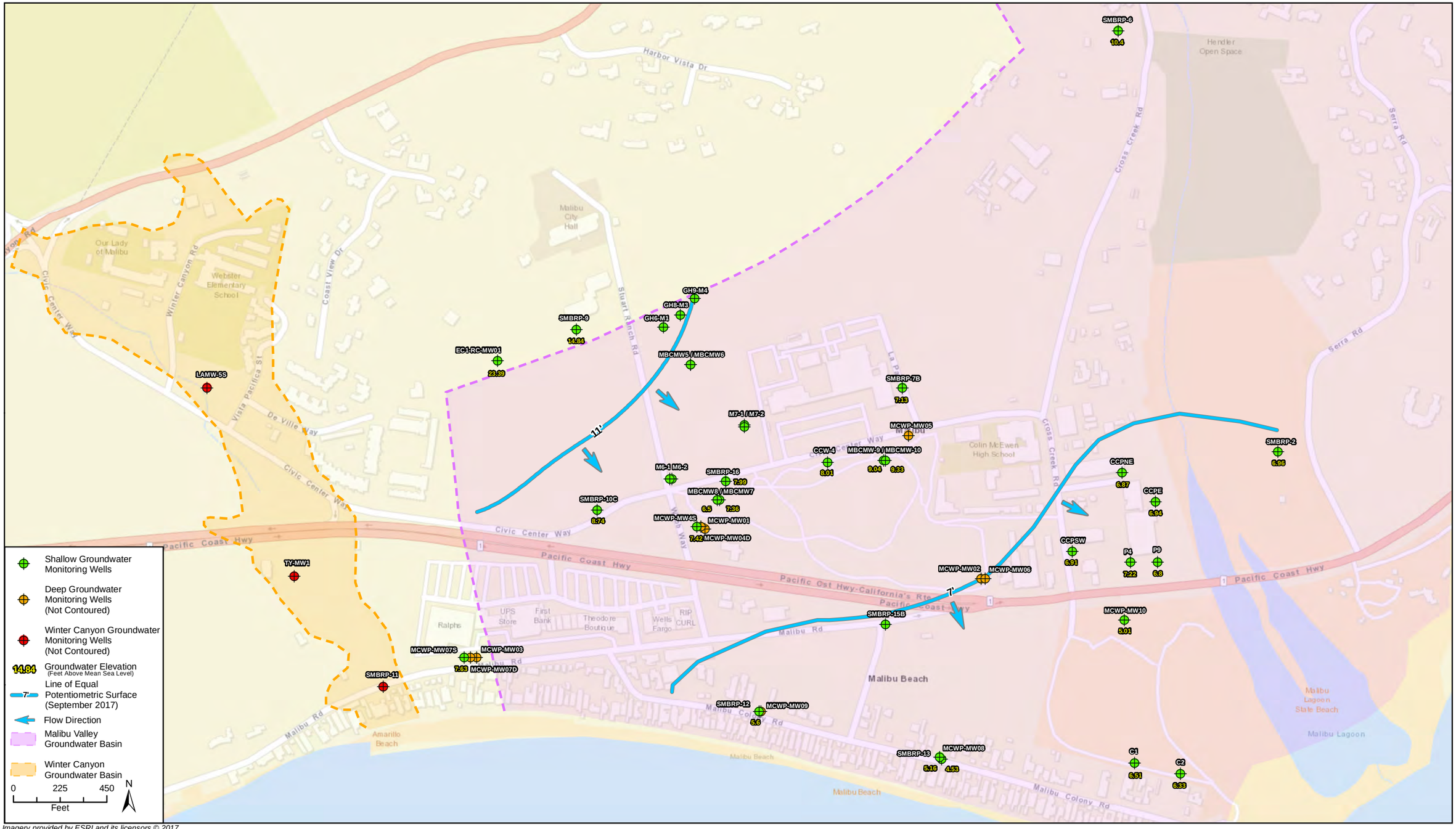
Shallow Groundwater Elevation
August 2017

Figure 10



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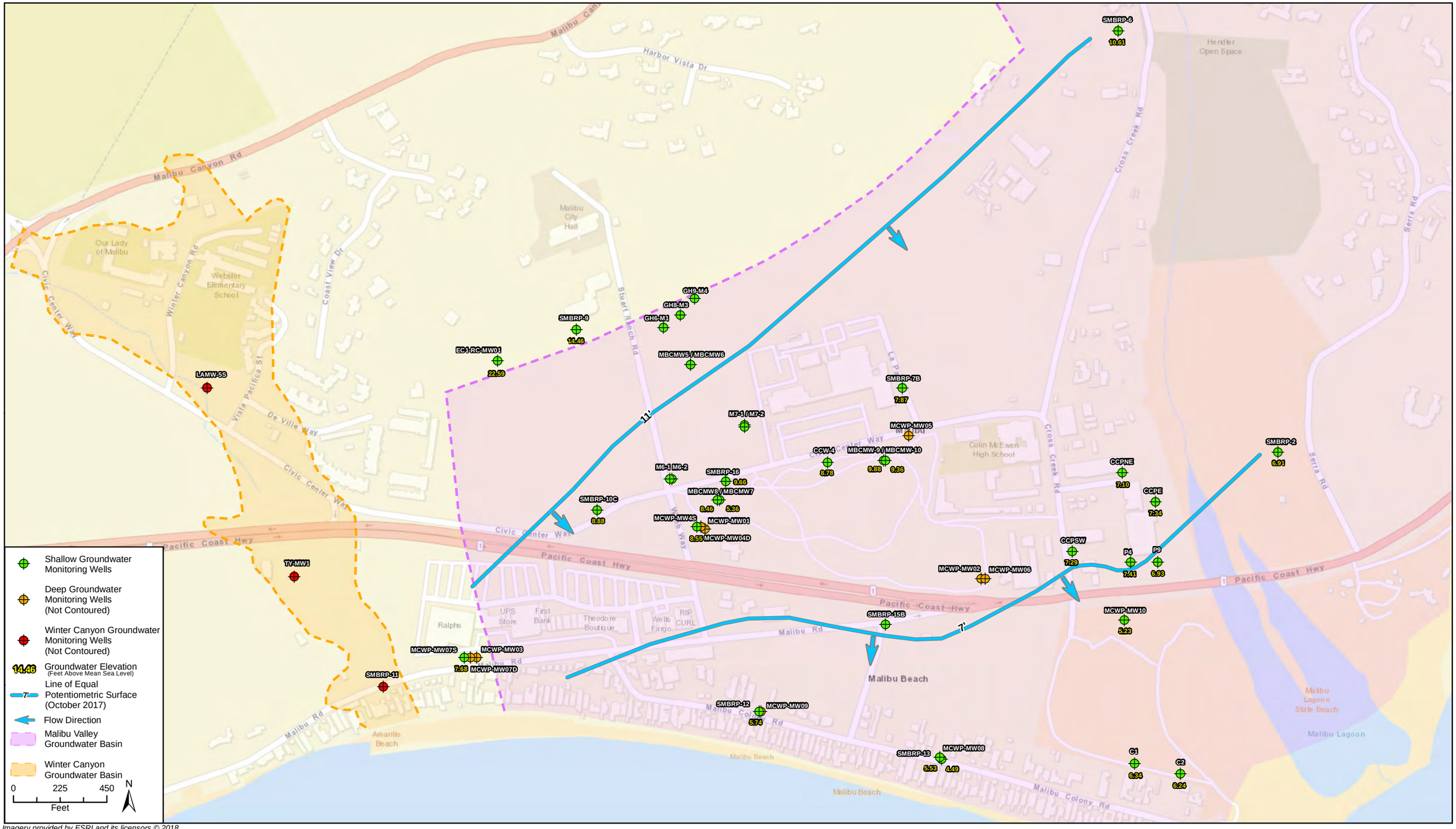
Shallow Groundwater Elevation
September 2017

Figure 11



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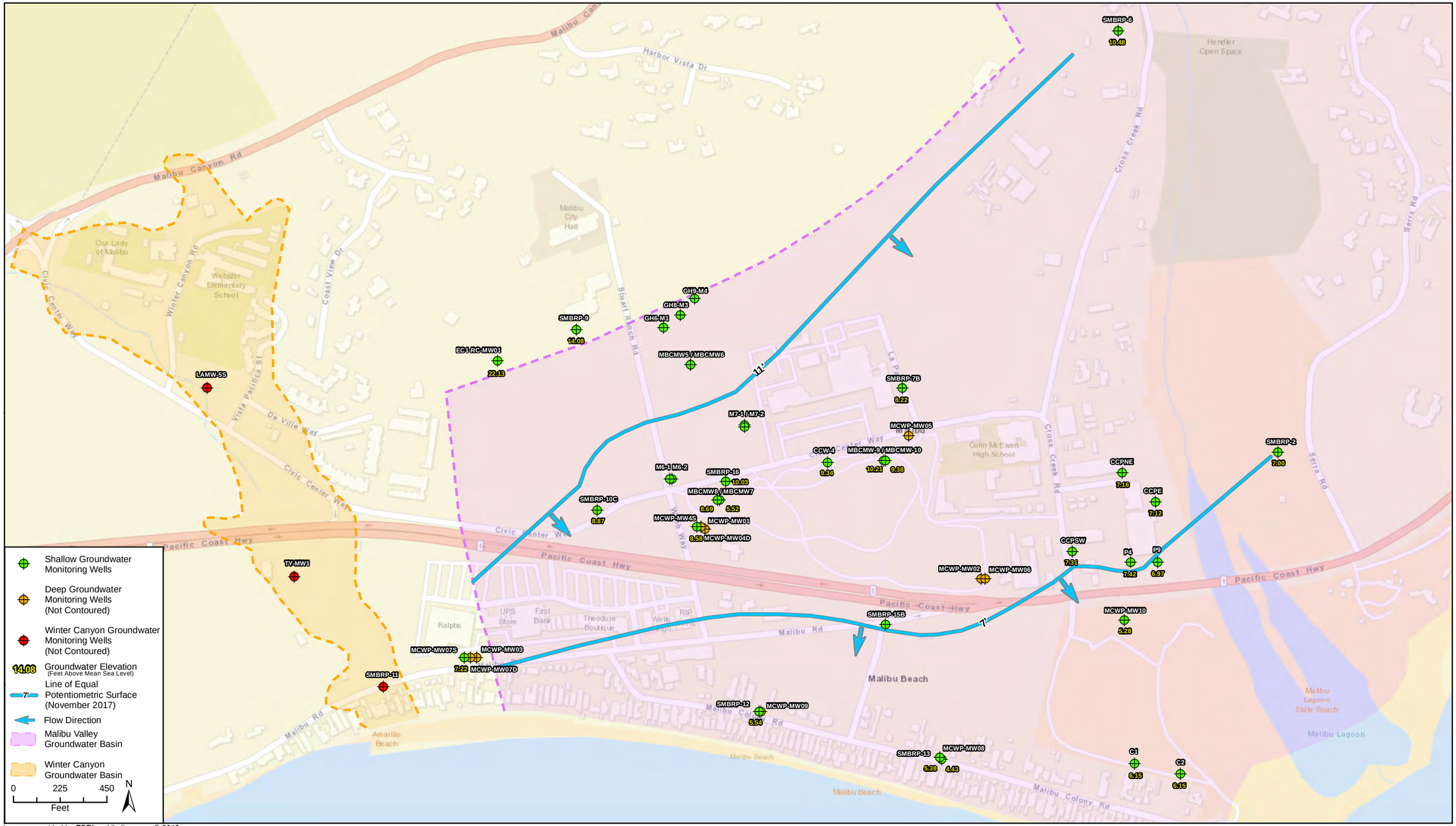
Note: MBCMW-7 was not included in contour due to anomalous reading

Shallow Groundwater Elevation
October 2017

Figure 12



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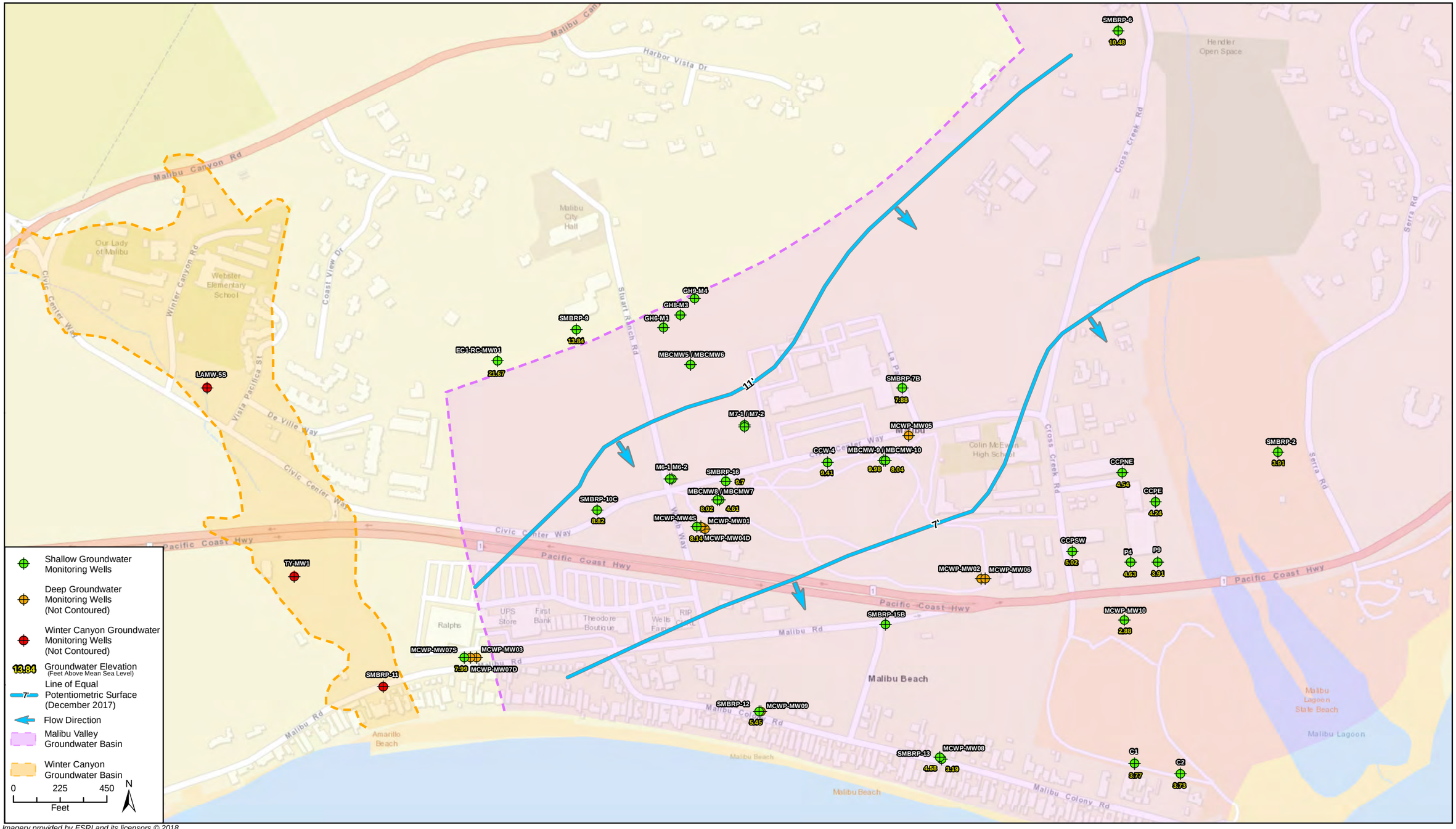
Note: MBCMW-7 was not included in contour due to anomalous reading

Shallow Groundwater Elevation
November 2017

Figure 13

Rincon Consultants Inc.



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Note: MBCMW-7 was not included in contour due to anomalous reading

Shallow Groundwater Elevation
December 2017

Figure 14

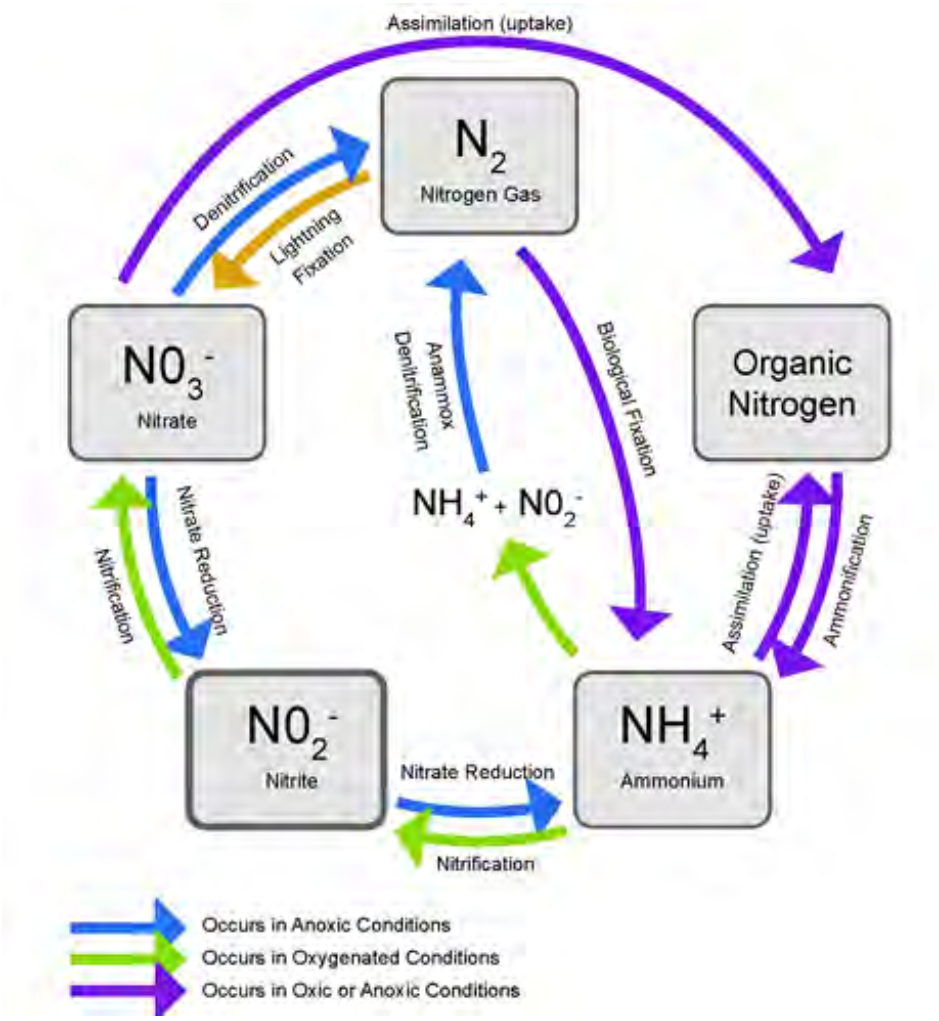
Assimilation (uptake)
N_2
Nitrogen Gas
Denitrification
Lightning Fixation
NO_3^-
Nitrate
Anammox Denitrification
$NH_4^+ + NO_2^-$
Biological Fixation
Organic Nitrogen
Nitrate Reduction
Nitrification
Assimilation (uptake)
Ammonification
NO_2^-
Nitrite
Nitrate Reduction
NH_4^+
Ammonium
Nitrification
Occurs in Anoxic Conditions
Occurs in Oxygenated Conditions
Occurs in Oxic or Anoxic Conditions

Figure 15

Appendix A

Groundwater and Surface Water Field Sheets

Arrive: 0830
Leave: 1245

Rincon Consultants Inc.
Peter Shellenbarger

1-17-17
Malibu Civic Center
DTW Task 5

Table 1

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	6.89	1000	n/a
2	C-2	14.5	2	11.19	6.51	0958	5.11
3	CCPE	20	2	12.935	8.38	1032	5.76
4	CCPNE		2	13.675	8.66	1036	6.44
5	CCPSW		2	13.67	8.03	1040	6.29
6	CCW-4		1	15.765	4.97	0907	6.5
7	GH6-M1	35	2		29.90	1151	28.92
8	GH8-M3	40	2		29.27	1149	28.37
9	GH9-M4	45	2		30.79	1146	30.31
10	Lagoon		n/a		N/A	N/A	n/a
11	LAMW-5S	20	4	104.55	53.81	0830	53.71
12	M6-1	45	2		5.81	1156	6.61
13	M6-2	20	2		3.05	1159	5.76
14	M7-1	40	2		6.94	1139	8.09
15	M7-2	25	2		5.91	1137	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	11.29	0902	11.26
19	MBCMW-8	10	2	16.53	7.03	0904	9.11
20	MBCMW-9	10	2	17.71	8.06	0918	8.7
21	MBCMW-10	53	2	17.74	8.67	0916	8.63
22	MCWP-MW01	148	6		10.17	1100	10.22
23	MCWP-MW02	145	6	18.06	10.44	1053	10.39
24	MCWP-MW03	134	6		7.63	1121	7.65
25	MCWP-MW04D	148	4		9.34	1102	9.35
26	MCWP-MW04S	20	4		6.62	1105	7.55
27	MCWP-MW05	158	4		No Access - WWTP Pump Station		7.62

Malibu Creek → high water level @ SMBRP-6 bridge crossing
Malibu Lagoon → berm high, breached near admission House → Lagoon drained

28	MCWP-MW06	153	2		9.87	1050	9.87
29	MCWP-MW07D	134	2		7.52	1118	7.51
30	MCWP-MW07S	20	2		6.11	1116	6.76
31	MCWP-MW08	77	2		8.00	1226	7.64
32	MCWP-MW09	95	2	16.3	5.79	1232	7.52
33	MCWP-MW10	60	2		8.11	0950	5.7
34	P-4	12.5	4	12.155	6.98	1022	4.58
35	P-9	14.3	4	12.165	7.68	1025	5.07
36	SMBRP-2	25	2	13.131	8.64	0942	6.04
37	SMBRP-6	25	2	26.875	14.14	0929	16.49
38	SMBRP-7b	45	2	18.985	10.18	0913	10.69
39	SMBRP-8 (EG-RC	60	4		29.49	0841	28.74
40	SMBRP-9	45	2	50.32	39.82	0837	38.24
41	SMBRP-10C	25	2	16.25	2.72	0856	7.37
42	SMBRP-11	20	2	18.35	7.81	1104	8.88
43	SMBRP-12	25	2	12.615	6.48	1235	5.69
44	SMBRP-13	20	2	13.58	7.48	1229	8.32
45	SMBRP-15b	25	1	16.765	Dry	Dry	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	2.54	0900	4.95

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
AMW-5S
SMBRP-7B
M7-2
M7-1
CCW-1
M6-1
SMBRP-16
SMBRP-10C
MBCMW-8
M6-2
MBCMW-7
MCWP-MW01
MCWP-MW04S
MCWP-MW04D
MBCMW-9
MBCMW-10
CCPNE
SMBRP-2
CCPE
CCPSW
P-4
P-3
MCWP-MW02
MCWP-MW06
MCWP-MW10
SMBRP-15b
MCWP-MW07S
MCWP-MW03
MCWP-MW07D
SMBRP-11
SMBRP-12
MCWP-MW05
SMBRP-13
MCWP-MW08
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
2012 ISC
1

Arrive : 9:30 AM
Depart: 1345

2-24-17

Malibu DTW Monthly
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 12/19/2016	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	7.28	1121	n/a
2	C-2	14.5	2	11.19	6.84	1117	5.11
3	CCPE	20	2	12.935	8.67	1138	5.76
4	CCPNE		2	13.675	8.80	1141	6.44
5	CCPSW		2	13.67	8.27	1215	6.29
6	CCW-4		1	15.765	2.04	1019	6.5
7	GH6-M1	35	2		28.74	1255	28.92
8	GH8-M3	40	2		27.80	1252	28.37
9	GH9-M4	45	2		30.53	1250	30.31
10	Lagoon		n/a		N/A	—	n/a
11	LAMW-5S	20	4	104.55	50.54	1000	53.71
12	M6-1	45	2		4.96	1300	6.61
13	M6-2	20	2		1.75	1302	5.76
14	M7-1	40	2		5.13	1245	8.09
15	M7-2	25	2		3.56	1243	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	10.96	1012	11.26
19	MBCMW-8	10	2	16.53	4.41	1015	9.11
20	MBCMW-9	10	2	17.71	5.11	1028	8.7
21	MBCMW-10	53	2	17.74	8.55	1027	8.63
22	MCWP-MW01	148	6		10.68	1225	10.22
23	MCWP-MW02	145	6	18.06	10.68	1220	10.39
24	MCWP-MW03	134	6		N/A	construction WWTP	7.65
25	MCWP-MW04D	148	4		9.83	1227	9.35
26	MCWP-MW04S	20	4		3.34	1229	7.55
27	MCWP-MW05	158	4		Not accessible	construction	7.62

Lagoon Stage Low → recent rain opened mouth, drained lagoon
Malibu Creek stage high → Flowing → recent rain damaged railing of bridge crossing @ Serra Retreat

28	MCWP-MW06	153	2		10.05	1219	9.87
29	MCWP-MW07D	134	2		N/A	N/A	7.51
30	MCWP-MW07S	20	2		N/A	N/A	6.76
31	MCWP-MW08	77	2		8.77	1326	7.64
32	MCWP-MW09	95	2	16.3	6.78	1334	7.52
33	MCWP-MW10	60	2		8.95	1109	5.7
34	P-4	12.5	4	12.155	7.12	1130	4.58
35	P-9	14.3	4	12.165	7.82	1134	5.07
36	SMBRP-2	25	2	13.131	8.94	1102	6.04
37	SMBRP-6	25	2	26.875	13.14	1051	16.49
38	SMBRP-7b	45	2	18.985	8.13	1023	10.69
39	SMBRP-8 (EG-RC	60	4		26.76	1042	28.74
40	SMBRP-9	45	2	50.32	38.75	1037	38.24
41	SMBRP-10C	25	2	16.25	0.99 *	1005	7.37
42	SMBRP-11	20	2	18.35	7.22	1318	8.88
43	SMBRP-12	25	2	12.615	7.61	1331	5.69
44	SMBRP-13	20	2	13.58	9.32	1328	8.32
45	SMBRP-15b	25	1	16.765	DM		dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	0.51	1008	4.95

MWTP injection well construction

* Groundwater extremely high, daylighting

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-7
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW-1
LAMW-5S
M7-2
MZ-1
SMBRP-7B
CCW-4
M6-1
SMBRP-16
MBCMW-9
CCPNE
SMBRP-2
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
MBCMW-7
CCPE
CCPSW
P-4
P-5
MCWP-MW045
MCWP-MW04D
MCWP-MW02
MCWP-MW06
Lagoon-before
SMBRP-15
MCWP-MW10
MCWP-MW07S
MCWP-MW03
MCWP-MW07D
SMBRP-11
SMBRP-12
MCWP-MW09
SMBRP-13
MCWP-MW08
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
2012_150
MCWP
1

Malibu Lagoon open & Full-mid level — Peter Shellenbarger — March 27, 2017
Malibu Creek Flowing-a medium Full — Arrive 0800
Depart 1215
Malibu Civic Center DTW

Table 1

Groundwater Monitoring Well Construction

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water ~~12/19/2016~~ 3.27.17	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	6.66	0949	n/a
2	C-2	14.5	2	11.19	6.55	0947	5.11
3	CCPE	20	2	12.935	8.21	1010	5.76
4	CCPNE		2	13.675	9.37	1017	6.44
5	CCPSW		2	13.67	9.32	1015	6.29
6	CCW-4		1	15.765	2.92	0859	6.5
7	GH6-M1	35	2		27.63	1121	28.92
8	GH8-M3	40	2		26.22	1112	28.37
9	GH9-M4	45	2		24.94	1117	30.31
10	Lagoon		n/a		N/A	—	n/a
11	LAMW-5S	20	4	104.55	48.71	0802	53.71
12	M6-1	45	2		7.17	1132	6.61
13	M6-2	20	2		3.87	1130	5.76
14	M7-1	40	2		6.71	1104	8.09
15	M7-2	25	2		5.29	1102	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	12.84	0853	11.26
19	MBCMW-8	10	2	16.53	6.13	0850	9.11
20	MBCMW-9	10	2	17.71	5.44	~~0852~~ 0912	8.7
21	MBCMW-10	53	2	17.74	10.12	0910	8.63
22	MCWP-MW01	148	6		11.47	1039	10.22
23	MCWP-MW02	145	6	18.06	11.96	1023	10.39
24	MCWP-MW03	134	6		NA LWTP Pump ~~Stuck~~		7.65
25	MCWP-MW04D	148	4		10.61	1047	9.35
26	MCWP-MW04S	20	4		5.20	1044	7.55
27	MCWP-MW05	158	4		No ACCESS 3-27-17	—	7.62

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-5
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW01
LAMW-5S
MBCMW-5
M7-2
M7-1
SMBRP-7B
MCWP-MW05
CCW-4
SMBRP-2
M6-1
SMBRP-10
MBCMW-9
CCPNE
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
CCPE
MBCMW-7
CCPSW
P-4
P-9
MCWP-MW01
MCWP-MW04S
MCWP-MW02
MCWP-MW04D
MCWP-MW06
lagoon-before
SMBRP-15
MCWP-MW07S
MCWP-MW07D
SMBRP-11
SMBRP-12
MCWP-MW08
SMBRP-13
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
5/1/2018
2012.190
MCWP
1

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: Purge 3-27-17 / Sample 3-28-17	
Project/Location: Malibu, CA Civic Center Area		Well Number: LAMW-5S	
Observation Period Start: 1245 Stop: 1410		Survey Reference Point: TOC	
Sampled By: Peter Shellenbarger		Witnessed By: DS	

PURGING DATA

Type of Pump	Grundfos / Redi Flow	Pump Inlet Depth (ft)	60
Well Diameter (in)	4 in	Depth of Well (ft)	~~48~~ 73.43
Initial/Static Depth to Water (ft)	48.71	Length of Water Column (ft)	24.72
Product Thickness (ft)	———	Volume Multiplier (gal/ft)	~~0.16~~ 0.65
One Casing Volume (gal)	16.10	Three Casing Volumes (gal)	48.30
Purge Time, Start	~~1320~~ 1323	Purge Time, Stop	1348
Total Purge Time (minutes)	25	Purge Rate (gpm)	1.16 gpm
Purge Volume (gal)	29	Depth to Water (ft) at Sampling	48.63

CASING OR BOREHOLE VOLUME

5 gallon

IHT

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

Speed = 105V

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	16	32	48	∞	29		At Sampling
TDS ~~(ppm)~~ g/L	0.834	0.715				0.699		0.817
Turbidity (measured or visual) ~~cloudy, clear, muddy~~ NTU	28.1	121				Max		9.7
Temperature (C)	21.69	21.72				24.13		21.14
Conductivity ~~(micromhos)~~ mS/cm	1.39	1.22				1.09		1.29
pH	7.11	7.02				7.09		7.27
Dissolved Oxygen (mg/L & %)	2.58↓	2.22↓				1.35↓		5.18↓
Comments:								

DTC

24 gallons

Depth to Water at End of Purge (ft)	73.43
Drawdown (ft)	24.72

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	70°F, slight wind NW 5-10 mph

Comments:

Sampled at: 1020 on 3-28-17

Well Recovery Calculation

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

48.71 + 0.2 * 24.72 = 53.65

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	Purge: 3-27-17 / Sample: 3-28-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 1420 Stop: 1500	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	DS

PURGING DATA

Type of Pump	Grundfos / verti Flow	Pump Inlet Depth (ft)	40
Well Diameter (in)	2 inch	Depth of Well (ft)	45
Initial/Static Depth to Water (ft)	37.59	Length of Water Column (ft)	7.41
Product Thickness (ft)	———	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.18	Three Casing Volumes (gal)	3.55
Purge Time, Start	1433	Purge Time, Stop	1440
Total Purge Time (minutes)	7	Purge Rate (gpm)	0.57
Purge Volume (gal)	4	Depth to Water (ft) at Sampling	37.55

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	1.18	2.37	3.55				At Sampling
TDS (~~ppm~~) g/L	2.08	2.08	2.10	2.11				2.04
Turbidity (measured or visual) ~~cloudy, clear, muddy~~ NTU	Max	133	65.1	121				75.5
Temperature (C)	24.86	23.75	23.47	23.09				22.68
Conductivity (~~micromhos~~) mS/cm	3.25	3.26	3.28	3.29				3.18
pH	7.43	7.38	7.39	7.39				7.38
Dissolved Oxygen (mg/L & %)	9.25	10.23	9.54↓	1.99↓				2.41
Comments:				42.25				
Depth to Water at End of Purge (ft)				[illegible]				
Drawdown (ft)				2.75				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	70°F, Slight wind 5-10 mph, lightly cloudy
Comments:	Sampled at: 1050 ON 3-28-17

Well Recovery Calculation

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

37.59 + 0.2 * 2.75 = 38.14

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	Purge 3-27-17 / Sample 3-28-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	MBCMW-9
Observation Period	Start: 1505 Stop: 1530	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	PS

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)	5.44	Length of Water Column (ft)	3.76
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.61	Three Casing Volumes (gal)	1.80
Purge Time, Start	—	Purge Time, Stop	—
Total Purge Time (minutes)	—	Purge Rate (gpm)	—
Purge Volume (gal)	—	Depth to Water (ft) at Sampling	5.45

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

Volume Pumped (gal)	Before Purge	0.61	1.27	1.81				At Sampling
TDS (~~ppm~~) g/L	3.51	3.63						4.17
Turbidity (measured or visual) cloudy, clear, muddy NTU	1.5	255						61.3
Temperature (C)	20.24	19.41	Dry @					20.48
Conductivity (~~micromhos~~) mS/cm	5.58	5.75		1 Purge				6.62
pH	6.91	6.86						7.04
Dissolved Oxygen (mg/L & %)	10.49	2.01						4.79
Comments:								
Depth to Water at End of Purge (ft)				9.00				
Drawdown (ft)				3.56				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	70°F, Partially Cloudy, 5-10 mph NW wind

Comments:

Sampled at: 1140 on 3-28-17

Well Recovery Calculation

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

5.44 + 0.2 * 3.56 = 6.15

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: Purge 3-27-17 / Sample 3-28-17	
Project/Location: Malibu, CA Civic Center Area		Well Number: MCWP-MW045	
Observation Period: Start: 1530	Stop: 1800	Survey Reference Point: TOC	
Sampled By: Peter Shellenbarger		Witnessed By: PS	

PURGING DATA — Pump Malfunction — 2 hr delay @ Purge

Type of Pump	~~Centrifugal / Peristaltic~~ submersible	Pump Inlet Depth (ft)	10
Well Diameter (in)	4 inch	Depth of Well (ft)	20.45
Initial/Static Depth to Water (ft)	5.20	Length of Water Column (ft)	15.25
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.91	Three Casing Volumes (gal)	29.73
Purge Time, Start	~~1351~~ 1740	Purge Time, Stop	1754
Total Purge Time (minutes)	14	Purge Rate (gpm)	1.21
Purge Volume (gal)	17	Depth to Water (ft) at Sampling	5.91

CASING OR BOREHOLE VOLUME

5 gallon
III

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	9.91	19.83	29.73				At Sampling
TDS (~~ppm~~) g/L	4.62	2.71						4.43
Turbidity (measured or visual) cloudy, clear, ~~muddy~~ NTU	500	87.4		DRY @ 17 gallons				1.5
Temperature (C)	22.59	21.45						22.24
Conductivity (~~micromhos~~) µS/cm	7.33	4.23						7.04
pH	7.36	7.26						7.47
Dissolved Oxygen (mg/L & %)	9.71 ↓	8.62 ↓						5.85
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: 70°F, Wind 10-15 mph NW, Partially Cloudy

Comments: Sampled at: 1115 on 3-28-17

Well Recovery Calculation

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

5.20 + 0.2 * 15.25 = 8.25

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-28-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	CCPE
Observation Period	Start: 0740 Stop: 0915	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	12
Well Diameter (in)	2 inch	Depth of Well (ft)	52.7
Initial/Static Depth to Water (ft)	9.19	Length of Water Column (ft)	43.51
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	6.96	Three Casing Volumes (gal)	20.88
Purge Time, Start	0758	Purge Time, Stop	0849
Total Purge Time (minutes)	51	Purge Rate (gpm)	0.42
Purge Volume (gal)	21	Depth to Water (ft) at Sampling	9.19

CASING OR BOREHOLE VOLUME

5 gallon IIII

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

13.92

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

6.96 20.88

INDICATOR DATA

Volume Pumped (gal)	Before Purge							At Sampling
TDS (ppm) q/L	0.849	1.46	1.88	2.57	—	—	→	
Turbidity (measured or visual) cloudy, clear, muddy SLTNV	36.3	1.5	2.8	0.0	—	—	→	
Temperature (C)	16.34	17.67	18.19	19.09	—	—	→	
Conductivity (micromhos) ms/cm	1.33	2.32	2.94	4.01				
pH	7.10	7.16	7.29	7.26			→	
Dissolved Oxygen (mg/L & %)	1.13	2.77 ↓	3.01 ↓	2.14 ↓				
Comments:								
Depth to Water at End of Purge (ft)				9.19				
Drawdown (ft)				0				

MISCELLANEOUS DATA

Condition of Traffic Box:	Fair. Bolts Striped. Well cap damaged
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	60°F, 10-25 mph wind E-NE, clear

Comments: Sampled at: 0900

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

9.19 + 0.2 * 0 = 9.19

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-28-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP - 7B
Observation Period	Start: 0930 Stop: 1005	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	17
Well Diameter (in)	2 inch	Depth of Well (ft)	25.13
Initial/Static Depth to Water (ft)	9.71	Length of Water Column (ft)	15.42
Product Thickness (ft)	———	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.46	Three Casing Volumes (gal)	7.40
Purge Time, Start	938	Purge Time, Stop	~~0952~~ 0949
Total Purge Time (minutes)	11	Purge Rate (gpm)	0.68
Purge Volume (gal)	7.5	Depth to Water (ft) at Sampling	11.45

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	2.46	4.93	7.40				At Sampling
TDS (~~ppm~~) g/L	1.12	1.05	1.54	2.28				2.66
Turbidity (measured or visual) cloudy, clear, muddy NTU	428	347	200	86.4				140
Temperature (C)	19.55	19.76	19.96	20.22				21.74
Conductivity (~~micromhos~~) mS/cm	1.76	1.59	2.41	3.56				4.15
pH	7.06	7.02	6.98	7.03				7.10
Dissolved Oxygen (mg/L & %)	4.65	2.12↓	9.91	5.51				3.25↓
Comments:								
Depth to Water at End of Purge (ft)				18.51				
Drawdown (ft)				8.8				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good, well has crack in pipe
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	65°F, 5-15 mph NE, clear

Comments: Sampled at: 1205 ON 3-28-17

Well Recovery Calculation

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

9.71 + 0.2 * 8.8 = 11.47

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-28-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWD-MW06
Observation Period	Start: 1220 Stop: 1400	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	50
Well Diameter (in)	2 inch	Depth of Well (ft)	138.15
Initial/Static Depth to Water (ft)	10.91	Length of Water Column (ft)	127.24
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.35	Three Casing Volumes (gal)	61.1
Purge Time, Start	1230	Purge Time, Stop	1344
Total Purge Time (minutes)	64	Purge Rate (gpm)	~ 1 gpm
Purge Volume (gal)	65	Depth to Water (ft) at Sampling	10.91

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	20.35	40.72	61.1				At Sampling
TDS (ppm) g/L	0.528	1.27	1.33		—			—
Turbidity (measured or visual) cloudy, clear, muddy	46.3	0.0	0.0		—			—
Temperature (C)	21.81	21.15	20.22		—			—
Conductivity (mS/cm micromhos)	0.821	1.99	2.08		—			—
pH	7.41	7.40	7.43		—		—	
Dissolved Oxygen (mg/L & %)	2.04 ↓	1.06 ↓	0.90 ↓					
Comments:					—			
			Depth to Water at End of Purge (ft)	10.91				
			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, 15-25 mph N-NE wind

Comments:

Sampled at: 1350

Well Recovery Calculation

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

10.91 + 0.2 * 0 = 10.91

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 3-29-17
Project/Location Malibu, CA Civic Center Area	Well Number: TY-MW-1
Observation Period Start: 7:45 Stop: 0900	Survey Reference Point: TOC
Sampled By: Peter Shellenbarger	Witnessed By: PS

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	75
Well Diameter (in)	2 inch	Depth of Well (ft)	80.45
Initial/Static Depth to Water (ft)	65.65	Length of Water Column (ft)	14.8
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.37	Three Casing Volumes (gal)	7.1
Purge Time, Start	0818	Purge Time, Stop	0831
Total Purge Time (minutes)	13	Purge Rate (gpm)	0.54
Purge Volume (gal)	7.10	Depth to Water (ft) at Sampling	65.65

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	2.37	4.74	7.10				At Sampling
TDS (ppm) g/L	2.04	2.03	2.01	1.99			▷	
Turbidity (measured or visual) cloudy, clear, muddy NTU	532	139	94.7	30.6			▷	Same as Bucket Purge
Temperature (C)	18.53	19.78	20.36	20.73			▷	
Conductivity (mS/cm micromhos)	3.18	3.18	3.15	3.11				
pH	6.74	6.77	6.76	6.75			▷	
Dissolved Oxygen (mg/L & %)	2.96	2.25	1.99 ↓	0.84				
Comments:							▷	
Depth to Water at End of Purge (ft)				65.65				
Drawdown (ft)				0				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good -> located 17 Ft From white Pole
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	65° clear 0 wind

Comments:

Sampled at: 0840

Well Recovery Calculation

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

65.65 + 0.2 * 0 = 65.65

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-29-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-13
Observation Period	Start: 0905 Stop: 0935	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	13
Well Diameter (in)	2 inch	Depth of Well (ft)	19.43
Initial/Static Depth to Water (ft)	8.19	Length of Water Column (ft)	11.24
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.80	Three Casing Volumes (gal)	5.4
Purge Time, Start	09:12	Purge Time, Stop	0915
Total Purge Time (minutes)	3	Purge Rate (gpm)	2.33
Purge Volume (gal)	7	Depth to Water (ft) at Sampling	8.19

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.8	3.6	5.4				At Sampling
TDS (~~ppm~~) g/L	14.7	17.3	17.1	17.2				
Turbidity (measured or visual) cloudy, clear, muddy NTU	10.9	0.0	0.0	0.0	—	—	→	
Temperature (C)	19.19	19.18	19.24	19.25				
Conductivity (~~micromhos~~) µS/cm	23.8	28.0	27.7	28.1	—	—	→	
pH	7.21	6.90	6.90	6.90				
Dissolved Oxygen (mg/L & %)	4.47	1.75	1.73	1.65				
Comments:					←	—	→	
Depth to Water at End of Purge (ft)				8.19				
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, NO wind, clear
Comments:	changed length of purge hose; Sampled at: 0925

Well Recovery Calculation (Fastest Purger rate)

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

8.19 + 0.2 * 0 = 8.19

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-29-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 0940 Stop: 1010	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	10.00
Well Diameter (in)	2 inch	Depth of Well (ft)	24.88
Initial/Static Depth to Water (ft)	7.07	Length of Water Column (ft)	17.81
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.85	Three Casing Volumes (gal)	8.55
Purge Time, Start	0948	Purge Time, Stop	0952
Total Purge Time (minutes)	~~0952~~ 4	Purge Rate (gpm)	2.25
Purge Volume (gal)	9	Depth to Water (ft) at Sampling	7.07

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	2.85	5.7	8.55				At Sampling
TDS (ppm)	2.02	2.03	2.13	2.14				
Turbidity (measured or visual) cloudy, clear, muddy	98.9	8.4	0.0	0.0				
Temperature (C)	20.25	20.15	20.14	20.14				
Conductivity (micromhos)	2.99	3.18	3.32	3.40				
pH	7.58	7.39	7.33	7.34				
Dissolved Oxygen (mg/L & %)	3.52 ↓	1.84	1.01 ↓	1.00 ↓				
Comments:								
Depth to Water at End of Purge (ft)				7.07				
Drawdown (ft)				0				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	70°F, 0-5 mph NW wind, clear

Comments: Sampled at: 1000

Well Recovery Calculation

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

7.07 + 0.2 * 0 = 7.07

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GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-29-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW09
Observation Period	Start: 1010 Stop: 1055	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	55
Well Diameter (in)	2	Depth of Well (ft)	89.60
Initial/Static Depth to Water (ft)	6.62	Length of Water Column (ft)	82.98
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.27	Three Casing Volumes (gal)	39.83
Purge Time, Start	1017	Purge Time, Stop	1035
Total Purge Time (minutes)	18	Purge Rate (gpm)	2.22
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	6.62

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

12 18 6

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.27	26.55	39.83				At Sampling
TDS (ppm) g/L	2.03	2.61	2.82	2.91	—	—	—	D
Turbidity (measured or visual) cloudy, clear, muddy NTU	24.4	5.6	0.0	0.0	—	—	→	
Temperature (C)	21.06	20.31	20.30	20.47	—	—	→	
Conductivity (micromhos) mS/cm	3.21	4.06	4.42	4.54				
pH	7.6	7.57	7.54	7.49	—	—	→	
Dissolved Oxygen (mg/L & %)	3.56	1.89↓	1.53↓	0.80				
Comments:					—	—	→	
Depth to Water at End of Purge (ft)				6.62				
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, calm, 0-5 mph NW wind

Comments: Sampled at: 1050

Well Recovery Calculation

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

6.62 + 0.2 * 0 = 6.62

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-29-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW10
Observation Period	Start: 1100 Stop: 1145	Survey Reference Point:	TOC
Sampled By:	Peter Shellenbarger	Witnessed By:	PS

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	10 ft
Well Diameter (in)	2 inch	Depth of Well (ft)	22.23
Initial/Static Depth to Water (ft)	8.51	Length of Water Column (ft)	13.72
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.20	Three Casing Volumes (gal)	6.60
Purge Time, Start	1115	Purge Time, Stop	~~1122~~ 1119
Total Purge Time (minutes)	4	Purge Rate (gpm)	
Purge Volume (gal)	7	Depth to Water (ft) at Sampling	8.51

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	2.2	4.4	6.6				At Sampling
TDS (ppm)	1.97	1.94	1.21	1.95				
Turbidity (measured or visual) cloudy, clear, muddy	5.9	0.0	0.0	0.0	—			
Temperature (C)	22.00	21.22	20.96	21.05				
Conductivity (micromhos)	3.08	3.03	3.06	3.04	—			
pH	7.39	7.37	7.33	7.34				
Dissolved Oxygen (mg/L & %)	3.06	2.04	2.09	2.00				
Comments:					—			
Depth to Water at End of Purge (ft)				8.51				
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, NW 5-10 mph, clear, hot

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

8.51 + 0.2 * 0 = 8.51

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 3-29-17	
Project/Location Malibu, CA Civic Center Area		Well Number: MCWP-MW05	
Observation Period Start: 1235 Stop: 1535		Survey Reference Point: TOC	
Sampled By: Peter Shellenbarger		Witnessed By: PS	

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	45 ft
Well Diameter (in)	4 inch	Depth of Well (ft)	154.4
Initial/Static Depth to Water (ft)	8.39	Length of Water Column (ft)	146.01
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	94.90	Three Casing Volumes (gal)	284.71
Purge Time, Start	① 1245 to 1335 = 140 min ② 1428 to 1525 = 145 min	~~Purge Time, Stop~~ Purge	107
~~Total Purge Time (minutes)~~		Purge Rate (gpm)	2.66
Purge Volume (gal)	285	Depth to Water (ft) at Sampling	8.39

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

Volume Pumped (gal)	Before Purge	95	190	285				At Sampling
TDS (ppm) g/L	0.197	1.23	1.30	1.31				
Turbidity (measured or visual) cloudy, clear, muddy NTU	~~120~~ 3.0	0.0	0.0	0.0				
Temperature (C)	22.65	20.45	20.94	20.58				
Conductivity (micromhos) mS/cm	0.330	1.92	2.03	2.05				
pH	7.86	7.14	7.45	7.36				
Dissolved Oxygen (mg/L & %)	5.80 ↓	2.39 ↓	~~1.50~~	1.92 ↓				
Comments:			157 ↓					
Depth to Water at End of Purge (ft)				8.39				
Drawdown (ft)				0				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good → uncovered for sampling → in construction zone
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	75°F, light NW wind 5-10 mph, clear, hot

Comments: Sampled at: 1535

Well Recovery Calculation

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

8.39 + 0.2 * 0 = 8.39

Completed GW Monitoring event @ 1200 3/30/17
16 Drums Filled = 880 gallons

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 3-30-17	
Project/Location: Malibu, CA Civic Center Area		Well Number: MCWP-MW04D	
Observation Period Start: 0750 Stop: 1050		Survey Reference Point: TOC	
Sampled By: Peter Shellenbarger		Witnessed By: PS	

PURGING DATA

Type of Pump	Submersible	Pump Inlet Depth (ft)	15
Well Diameter (in)	4 inch	Depth of Well (ft)	149.2
Initial/Static Depth to Water (ft)	10.56	Length of Water Column (ft)	138.64
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	90.11	Three Casing Volumes (gal)	270.35
Purge Time, Start	① 0800 ② 0945	Purge Time, Stop	① 0845 ② 1035
Total Purge Time (minutes)	① 45 ② 50	Purge Rate (gpm)	2.95
Purge Volume (gal)	① 140 ② 140	Depth to Water (ft) at Sampling	10.56

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

Volume Pumped (gal)	Before Purge	90	180	270				At Sampling
TDS (ppm) g/L	0.210	1.44	1.50	1.51			→	
Turbidity (measured or visual) cloudy, clear, muddy NTU	93.1	0.0	0.0	0.0			→	
Temperature (C)	19.50	18.0	19.09	18.56			→	
Conductivity (micromhos) mS/cm	0.322	2.25	2.34	2.35			→	
pH	6.90	7.27	7.37	7.26			→	
Dissolved Oxygen (mg/L & %)	4.09	2.08↓	1.55↓	1.91↓			→	
Comments:							→	
Depth to Water at End of Purge (ft)				10.56			→	
Drawdown (ft)				0				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	60°F, clear, 0-5 mph N-NE

Comments: Sampled at: 1040

Well Recovery Calculation

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

10.56 + 0.2 * 0 = 10.56

Project #
Malibu Civic Center WWTP
Task 1 - Surface H_2O Sampling

March 31, 2017
Rincon Consultants
Peter Shellenbarger
PS

Arrive in Malibu: 0925
Depart Malibu: 1400
Arrive/Drop off
Samples @ Lab (FGL: 1533

L-001 @ 1200
L-002 @ 1340
L-003 @ 1230
L-004 @ 1025
L-005 @ 1310
L-006 @ 1040

N-001 @ 0955
N-002 @ 1015
N-003 @ 1300
N-004 @ 0935

+ Weather - Clear, 65°F, 0-10 mph wind NW
Lagoon Stage - open, tidal influenced
Malibu Creek - Flow present, low creek level compared to winter months

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Semi-Annual

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Field Copy (3 of 3)

4259:03/06/2017

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

Client: **Rincon Consultants, Inc.**
Address: Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003
Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP-GW-SNMP/MOU**
Purchase Order Number:
Quote Number: **SP 20150526-01**

Sampler(s) Rincon Consultants Kyla Shellenberger

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
11	MCWP-MW10			G	MW				1	1,1							
12	CCPE	3-28-17	0900	G	MW				1	1,1							
13	MBCMW-9	3-28-17	1140	G	MW				1	1,1							
14	SMBRP-7B	3-28-17	1205	G	MW				1	1,1							
15	MCWP-MW05			G	MW						1						
16	MCWP-MW06	3-28-17	1250	G	MW						1						

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	3-28-17	1400						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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4259:03/06/2017

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

Client: **Rincon Consultants, Inc.**
Address: Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003
Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP-GW-SNMP/MOU**
Purchase Order Number:
Quote Number: **SP 20150526-01**

Sampler(s) Rincon Consultants
Zach Hollenbeck
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
1	SMBRP-9	3-28-17	0950	G	MW				1	1,1							
2	MCWP-MW04S	3-28-17	1115	G	MW				1	1,1							
3	MCWP-MW07S			G	MW				1	1,1							
4	SMBRP-12			G	MW				1	1,1							
5	MCWP-04D			G	MW				1	1,1							
6	MCWP-07D			G	MW				1	1,1							
7	MCWP-MW09			G	MW				1	1,1							
8	TY-MW-1			G	MW				1	1,1							
9	LAMW-5S	3-28-17	1020	G	MW				1	1,1							
10	SMBRP-13			G	MW				1	1,1							

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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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) Rincon Consultants Peter Shellenbarger

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
1	SMBRP-9			G	MW				1	1,1							
2	MCWP-MW04S			G	MW				1	1,1							
3	MCWP-MW07S			G	MW				1	1,1							
4	SMBRP-12	3/6/17	1000	G	MW				1	1,1							
5	MCWP-04D			G	MW				1	1,1							
6	MCWP-07D			G	MW				1	1,1							
7	MCWP-MW09	3/6/17	1050	G	MW				1	1,1							
8	TY-MW-1	3/6/17	0840	G	MW				1	1,1							
9	LAMW-5S			G	MW				1	1,1							
10	SMBRP-13	3/6/17	0925	G	MW				1	1,1							

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
K. Shellenbarger	3/6/17	1335						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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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) Peter Shallenberger Rincon Consultants

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
11	MCWP-MW10	3/2/17	1120	G	MW				1	1,1							
12	CCPE			G	MW				1	1,1							
13	MBCMW-9			G	MW				1	1,1							
14	SMBRP-7B			G	MW				1	1,1							
15	MCWP-MW05			G	MW						1						
16	MCWP-MW06			G	MW						1						

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Pete Shallenberger	3/2/17	1350						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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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): Peter Shellenberger
Rincon Consultants, Inc.

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
1	SMBRP-9			G	MW				1	1,1							
2	MCWP-MW04S			G	MW				1	1,1							
3	MCWP-MW07S			G	MW				1	1,1							
4	SMBRP-12			G	MW				1	1,1							
5	MCWP-04D			G	MW				1	1,1							
6	MCWP-07D			G	MW				1	1,1							
7	MCWP-MW09			G	MW				1	1,1							
8	TY-MW-1			G	MW				1	1,1							
9	LAMW-5S			G	MW				1	1,1							
10	SMBRP-13			G	MW				1	1,1							

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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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): Peter Shellenbarger Rincon Consultants, Inc.
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
11	MCWP-MW10			G	MW				1	1,1							
12	CCPE			G	MW				1	1,1							
13	MBCMW-9			G	MW				1	1,1							
14	SMBRP-7B			G	MW				1	1,1							
15	MCWP-MW05			G	MW						1						
16	MCWP-MW06			G	MW						1						

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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

Client: **Rincon Consultants, Inc.**

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

Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

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

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Rincon Consultants Inc.

Sampling Fee: _____ Pickup Fee: _____

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

Lab Number: **SP** 2-25173

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4							
1	N-001	3/7	0955	G	SW				1	1,1							
2	N-002		1015	G	SW				1	1,1							
3	N-003		1300	G	SW				1	1,1							
4	N-004		0935	G	SW				1	1,1							
5	L-001		1200	G	SW				1	1,1							
6	L-002	1300	1240	G	SW				1	1,1							
7	L-003		1230	G	SW				1	1,1							
8	L-004		1251	G	SW				1	1,1							
9	L-005		1310	G	SW				1	1,1							
10	L-006		0940	G	SW				1	1,1							

Remarks: T.C

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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Visalia, CA 93291
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Fax: (559) 734-8435

Malibu DTW
Civic Center WWTP
Monitoring Program

Arrive: 0845
Depart: 1330

Peter Shellenbarger
4-17-17

Malibu Creek Full @ crossing Serra Retreat Bridge
Malibu Lagoon - tidal → Low water level (low stage) breached @ Adamson House

Table 1

Groundwater Monitoring Well Construction

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 4/17/17 ~~12/19/2016~~	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	7.32	1038	n/a
2	C-2	14.5	2	11.19	7.05	1033	5.11
3	CCPE	20	2	12.935	8.90	1109	5.76
4	CCPNE		2	13.675	9.16	1103	6.44
5	CCPSW		2	13.67	8.64	1116	6.29
6	CCW-4		1	15.765	5.30	0936	6.5
7	GH6-M1	35	2		26.91	1224	28.92
8	GH8-M3	40	2		25.44	1222	28.37
9	GH9-M4	45	2		24.79	1218	30.31
10	Lagoon		n/a		N/A	—	n/a
11	LAMW-5S	20	4	104.55	~~56~~ ~~88~~ 48.24	~~0924~~ 0922	53.71
12	M6-1	45	2		6.77	1235	6.61
13	M6-2	20	2		4.80	1238	5.76
14	M7-1	40	2		7.52	1213	8.09
15	M7-2	25	2		6.98	1209	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	11.89	0933	11.26
19	MBCMW-8	10	2	16.53	7.45	0930	9.11
20	MBCMW-9	10	2	17.71	5.99	0944	8.7
21	MBCMW-10	53	2	17.74	9.43	0947	8.63
22	MCWP-MW01	148	6		11.33	1130	10.22
23	MCWP-MW02	145	6	18.06	11.35	1124	10.39
24	MCWP-MW03	134	6		N/A	—	7.65
25	MCWP-MW04D	148	4		10.51	1133	9.35
26	MCWP-MW04S	20	4		6.19	1137	7.55
27	MCWP-MW05	158	4		8.48	0944	7.62

28	MCWP-MW06	153	2		10.81	1122	9.87
29	MCWP-MW07D	134	2		NA	—	7.51
30	MCWP-MW07S	20	2		NA	—	6.76
31	MCWP-MW08	77	2		8.74	1256	7.64
32	MCWP-MW09	95	2	16.3	10.83	1303	7.52
33	MCWP-MW10	60	2		8.58	1017	5.7
34	P-4	12.5	4	12.155	7.48	1103	4.58
35	P-9	14.3	4	12.165	8.16	1107	5.07
36	SMBRP-2	25	2	13.131	9.15	1003	6.04
37	SMBRP-6	25	2	26.875	14.79	0956	16.49
38	SMBRP-7b	45	2	18.985	9.90	0941	10.69
39	SMBRP-8 (EG-RC	60	4		24.34	0912	28.74
40	SMBRP-9	45	2	50.32	36.88	0849	38.24
41	SMBRP-10C	25	2	16.25	3.97	0918	7.37
42	SMBRP-11	20	2	18.35	8.19	1158	8.88
43	SMBRP-12	25	2	12.615	7.29	1258	5.69
44	SMBRP-13	20	2	13.58	8.55	1253	8.32
45	SMBRP-15b	25	1	16.765	DM	—	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	4.28	0927	4.95

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW01
LAMW-5S
MBCMW-6
MBCMW-5
M7-2
M7-1
SMBRP-7B
CCW-4
MCWP-MW05
M6-1
SMBRP-16
MBCMW-3
SMBRP-2
CCPNE
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
MBCMW-7
CCPE
CCPSW
MCWP-MW01
MCWP-MW045
MCWP-MW04
MCWP-MW02
P-3
Lagoon-before
MCWP-MW10
SMBRP-15
SMBRP-11
MCWP-MW07D
SMBRP-12
MCWP-MW06
SMBRP-1
MCWP-MW03
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
2012.150
1

4

6.20.17 Malibu Civic Center DTW Sampler: Peter Shellenbarger

Time In: 0745

Time Out 1215

Malibu Creek @ Bridge → low water, algae mats Dominate Wetted width

Malibu Lagoon → Full, closed Berm, high H_2O level

Table 1

Groundwater Monitoring Well Construction

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 6/20/2017	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	4.49	0940	n/a
2	C-2	14.5	2	11.19	3.81	0935	5.11
3	CCPE	20	2	12.935	5.73	0956	5.76
4	CCPNE		2	13.675	6.63	0959	6.44
5	CCPSW		2	13.67	6.59	1003	6.29
6	CCW-4		1	15.765	6.27	0831	6.5
7	GH6-M1	35	2		26.13	1123	28.92
8	GH8-M3	40	2		25.38	1119	28.37
9	GH9-M4	45	2		26.30	1116	30.31
10	Lagoon		n/a				n/a
11	LAMW-5S	20	4	104.55	48.39	0749	53.71
12	M6-1	45	2		7.14	1132	6.61
13	M6-2	20	2		6.45	1135	5.76
14	M7-1	40	2		8.22	1105	8.09
15	M7-2	25	2		8.07	1101	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	11.57	0825	11.26
19	MBCMW-8	10	2	16.53	8.82	0828	9.11
20	MBCMW-9	10	2	17.71	6.76	0843	8.7
21	MBCMW-10	53	2	17.74	8.87	0840	8.63
22	MCWP-MW01	148	6		10.47	1029	10.22
23	MCWP-MW02	145	6	18.06	10.74	1010	10.39
24	MCWP-MW03	134	6		No access WWTP		7.65
25	MCWP-MW04D	148	4		9.62	1032	9.35
26	MCWP-MW04S	20	4		7.41	1035	7.55
27	MCWP-MW05	158	4		No Access WWTP Pump Station		7.62
28	MCWP-MW06	153	2		10.16	1007	9.87

29	MCWP-MW07D	134	2		WWTP - NO ACCESS		7.51
30	MCWP-MW07S	20	2		WWTP - NO ACCESS		6.76
31	MCWP-MW08	77	2		7.47	1149	7.64
32	MCWP-MW09	95	2	16.3	6.24	1200	7.52
33	MCWP-MW10	60	2		5.70	0924	5.7
34	P-4	12.5	4	12.155	4.72	0948	4.58
35	P-9	14.3	4	12.165	5.03	0953	5.07
36	SMBRP-2	25	2	13.131	5.78	0907	6.04
37	SMBRP-6	25	2	26.875	16.87	0856	16.49
38	SMBRP-7b	45	2	18.985	10.71	0836	10.69
39	SMBRP-8 (EG-RC	60	4		23.54	0803	28.74
40	SMBRP-9	45	2	50.32	35.41	0759	38.24
41	SMBRP-10C	25	2	16.25	6.22	0754	7.37
42	SMBRP-11	20	2	18.35	8.41	1044	8.88
43	SMBRP-12	25	2	12.615	7.19	1154	5.69
44	SMBRP-13	20	2	13.58	7.78	1146	8.32
45	SMBRP-15b	25	1	16.765			dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	NO ACCESS WWTP	Ramp Stuck	4.95

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW01
LAMW-5S
SMBRP-7B
M7-1
M7-2
CCW-4
M6-1
SMBRP-10C
M6-2
MBCMW-9
MBCMW-10
CCPNE
CCPE
CCPSW
SMBRP-2
P-4
P-5
lagoon before
MCWP-MW04S
MCWP-MW04D
MCWP-MW0
MCWP-MW06
MCWP-MW10
SMBRP-11
SMBRP-12
MCWP-MW02
SMBRP-13
MCWP-MW08
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
2012.190
1

Malibu Creek Stage Low @ SMBPP-6
& excessive algae growth noted

Malibu Lagoon open (Berm) → tidal
Stage full

5-22-17

Time In: 0815
Time out: ~~1230~~ 1250

Malibu DTW
May 2017

Table 1

Groundwater Monitoring Well Construction

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	5/22/17 Depth to Water ~~12/19/2016~~	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	6.74	1019	n/a
2	C-2	14.5	2	11.19	6.54	1016	5.11
3	CCPE	20	2	12.935	8.25	1043	5.76
4	CCPNE		2	13.675	8.97	1046	6.44
5	CCPSW		2	13.67	8.86	1050	6.29
6	CCW-4		1	15.765	5.72	0912	6.5
7	GH6-M1	35	2		26.16	1147	28.92
8	GH8-M3	40	2		25.13	1143	28.37
9	GH9-M4	45	2		29.08	1140	30.31
10	Lagoon		n/a		N/A	N/A	n/a
11	LAMW-5S	20	4	104.55	48.23	0828	53.71
12	M6-1	45	2		7.74	1153	6.61
13	M6-2	20	2		5.98	1156	5.76
14	M7-1	40	2		8.28	1133	8.09
15	M7-2	25	2		7.73	1130	7.78
16	MBCMW-5	19.4	n/a	29.03	NA	NA	n/a
17	MBCMW-6	64.26	n/a	29.02			n/a
18	MBCMW-7	52.5	2	16.635	12.56	0907	11.26
19	MBCMW-8	10	2	16.53	7.89	0905	9.11
20	MBCMW-9	10	2	17.71	6.28	0923	8.7
21	MBCMW-10	53	2	17.74	10.07	0921	8.63
22	MCWP-MW01	148	6		11.83	1105	10.22
23	MCWP-MW02	145	6	18.06	12.03	1058	10.39
24	MCWP-MW03	134	6		Civic Center WWTP Construction		7.65
25	MCWP-MW04D	148	4		10.99	1107	9.35
26	MCWP-MW04S	20	4		6.73	1111	7.55
27	MCWP-MW05	158	4		No access WWTP Construction		7.62
28	MCWP-MW06	153	2		11.43	1054	9.87

29	MCWP-MW07D	134	2		No Access WWTP	Construction	7.51
30	MCWP-MW07S	20	2				6.76
31	MCWP-MW08	77	2		9.04	1234	7.64
32	MCWP-MW09	95	2	16.3	7.72	1240	7.52
33	MCWP-MW10	60	2		8.26	1008	5.7
34	P-4	12.5	4	12.155	7.22	1028	4.58
35	P-9	14.3	4	12.165	7.59	1031	5.07
36	SMBRP-2	25	2	13.131	8.68	0955	6.04
37	SMBRP-6	25	2	26.875	15.44	0932	16.49
38	SMBRP-7b	45	2	18.985	10.51	0918	10.69
39	SMBRP-8 (EG-R(	60	4		23.31	0843	28.74
40	SMBRP-9	45	2	50.32	35.82	0838	38.24
41	SMBRP-10C	25	2	16.25	5.52	0832	7.37
42	SMBRP-11	20	2	18.35	8.45	1123	8.88
43	SMBRP-12	25	2	12.615	7.63	1244	5.69
44	SMBRP-13	20	2	13.58	8.81	1229	8.32
45	SMBRP-15b	25	1	16.765	—— DRY	——	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	NO ACCESS WWTP	——	4.95

No Access to many wells along Civic Center
Way due to active construction for WWTP infrastructure

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW3
LAMW-5S
MBCMW-5
M7-2
M7-1
SMBRP-7B
MCWP-MW05
CCW-4
M6-1
SMBRP-4C
MBCMW-9
CCPNE
SMBRP-2
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
CCPE
MBCMW-7
CCPSW
MCWP-MW01
P-4
P-9
MCWP-MW04S
MCWP-MW02
MCWP-MW04D
MCWP-MW06
Lagoon before
MCWP-MW10
SMBRP-15D
MCWP-MW07S
MCWP-MW03
SMBRP-1
MCWP-MW07D
SMBRP-12
MCWP-MW09
SMBRP-13
MCWP-MW08
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
5/1/2018
2012.190
MCWP
1

City of Malibu
P# 15-01587

6-19-17

Surface Water Sampling
Task 1B
Malibu Civic Center

Arrive: 1100 AM
Sampler: Peter Shellenbarger - Rincon Consultants, Inc.

L-001 @ 1315
L-002 @ 1430
L-003 @ 1325
L-004 @ 1220
L-005 @ 1350
L-006 @ 1235

N-001 @ 1135
N-002 @ 1150
N-003 @ 1400
N-004 @ 1115

Weather: light Fog AM. Fog burned off @ 1130 AM. Light 5-10 mph NW wind 75-80°F, Sunny

Lagoon Stage: High, closed Berm, Flooded

Malibu Creek: high → Closed Berm

Sample Delivery to FGL @ ~~0?~~ 1630

PS

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Quarterly

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

4053:06/05/2017

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

Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP - SW Monitoring**
Purchase Order Number:
Quote Number: **SP 20150526-01**

Sampler(s)
Peter Shellenberger (Rincon)

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)

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

Samp Num	Location Description	Date Sampled	Time Sampled	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4
1	N-001	6-14-17	1135	1	1,1
2	N-002		1150	1	1,1
3	N-003		1400	1	1,1
4	N-004		1415	1	1,1
5	L-001		315	1	1,1
6	L-002		430	1	1,1
7	L-003		1325	1	1,1
8	L-004		1220	1	1,1
9	L-005		1350	1	1,1
10	L-006		1235	1	1,1

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Peter Shellenberger	6-14-17	1130						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
[illegible]	6/14/17	1130						

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

SMBRP. 6 - algal mats @ Serra Retreat Bridge.

Start 0715
End 1245

09-11-17
Malibu Civic Center DTW Task 5

Sampler: Peter Shelle, Jbayer
Matt Pendleton

Table 1

Groundwater Monitoring Well Construction

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 9/11/2017	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	4.96	0916	n/a
2	C-2	14.5	2	11.19	4.86	0911	5.11
3	CCPE	20	2	12.935	6.00	0936	5.76
4	CCPNE		2	13.675	6.81	0939	6.44
5	CCPSW		2	13.67	6.76	0944	6.29
6	CCW-4		1	15.765	7.76	0756	6.5
7	GH6-M1	35	2		26.81	1152	28.92
8	GH8-M3	40	2		26.33	1143	28.37
9	GH9-M4	45	2		~~27.50~~ 27.67	1140	30.31
10	Lagoon		n/a				n/a
11	LAMW-5S	20	4	104.55	49.75	1036	53.71
12	M6-1	45	2		~~7.15~~ 7.18	~~1202~~ 1200	6.61
13	M6-2	20	2		6.30	1157	5.76
14	M7-1	40	2		8.76	1125	8.09
15	M7-2	25	2		7.45	1122	7.78
16	MBCMW-5	19.4	n/a	29.03			n/a
17	MBCMW-6	64.26	n/a	29.02			n/a
18	MBCMW-7	52.5	2	16.635	9.28	0751	11.26
19	MBCMW-8	10	2	16.53	10.03	0753	9.11
20	MBCMW-9	10	2	17.71	8.67	0815	8.7
21	MBCMW-10	53	2	17.74	8.41	0814	8.63
22	MCWP-MW01	148	6		10.60	1015	10.22
23	MCWP-MW02	145	6	18.06	10.79	1005	10.39
24	MCWP-MW03	134	6		7.92	1058	7.65
25	MCWP-MW04D	148	4		9.72	1018	9.35
26	MCWP-MW04S	20	4		7.87	1021	7.55
27	MCWP-MW05	158	4		8.15	0808	7.62
28	MCWP-MW06	153	2		10.41	1001	9.87

Lagoon Stage very high. Berm closed.

TY-MW-1 -> lost (Pictures)

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

* 6.02 @ @ 1515

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Purge Sample

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

5 gallons = #1 1

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	15.39	30.78	46.18			At Sampling	At Sampling
TDS (ppm) mg/L	749	760	748				538 ppm	~~36 ppm~~
Turbidity (measured or visual) cloudy, clear, muddy NTU	12.09	20.20	346.05				Sl. Cloudy	~~Sl.~~ Cloudy
Temperature (C)	27.03	25.36	24.55	Dump			25.1	~~23.8~~
Conductivity (micromhos) uS/cm	1200.5	1182.9	1142.0	0			1063 uS	~~75 uS/cm~~
pH	7.47	7.73	7.06	33 gallons			6.65	~~3.89~~
Dissolved Oxygen (mg/L & %)	22.0 %	1.77	2.36				29.5 %	~~30.2 %~~
Comments:								
Depth to Water at End of Purge (ft)								
Drawdown (ft)				23.68				

MISCELLANEOUS DATA

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

Comments:

Sampled at: 0837 (sample Date 9-7-17)

Well Recovery Calculation

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

49.75 + 0.2 * 23.68 = 54.49

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET Purge / Sample

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

5 gallon

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

INDICATOR DATA

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

MISCELLANEOUS DATA

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

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

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 10 MPH West wind sunny.

Comments: Resample FGL Bacti

Sampled at: 1225 on 9-14-17

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

49.77 + 0.2 * 23.66 = 54.502

Resample for bacteria – FGL mess-up.

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	3.0	4.5				At Sampling
TDS (ppm) mg/L	787	1772	1774	1760				1437
Turbidity (measured or visual) cloudy, clear, muddy	28.6	22.4	9.96	50.08	Well	has		Clear
Temperature (C)	26.5	25.76	25.45	26.11	history of			27.5
Conductivity (micromhos)	28873	2779	2756.5	2796.6	running dry			2874
pH	6.38	6.96	7.38	7.48	@	Purge.		7.35
Dissolved Oxygen (mg/L & %)	44.7	35.0	31.3	23.3	Did	not	run	~~21.4~~ 18.0
Comments:					Dry	@	Purge	
Depth to Water at End of Purge (ft)				39.56				
Drawdown (ft)				4.08				

MISCELLANEOUS DATA

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

Comments:

Sampled at: 1110 on 9-12-17

Well Recovery Calculation

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

35.48 + 0.2 * 4.08 = 36.30

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET Purge

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

MISCELLANEOUS DATA

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

Comments: Sampled at: —

Well Recovery Calculation

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

9.2 + 0.2 * 0.53 = —

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

Volume Pumped (gal)	Before Purge	8	16.5	24.5				At Sampling
TDS (~~ppm~~) mg/L	4611	5235						3.71 PPT
Turbidity (~~measured or visual~~) ~~cloudy, clear, muddy~~ (NTU)	2.07	9.57						sl. cloudy yellow tint
Temperature (C)	28.88	26.36		DTC				21.1°C
Conductivity (micromhos)	7611.7	6264.9			12 gallons			7.42 millisiemens
pH	7.41	7.41						7.55
Dissolved Oxygen (mg/L & %)	1.15 mg/L	1.37 mg/L						43.6%
Comments:								
Depth to Water at End of Purge (ft)				20.45				
Drawdown (ft)				12.58				

MISCELLANEOUS DATA

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

Comments: Sampled at: 0880

Well Recovery Calculation

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

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

DTW 12.08' at 1131 on 9-12-17

Returned on 9-13-17 for sampling

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET Purge / Sample

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

DM @ 5 gallons

MISCELLANEOUS DATA

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

Comments:

Sampled at: 1015 9-12-17

Well Recovery Calculation

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

17.22 + 0.2 * 11.2 = 19.46

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GROUND WATER SAMPLING/PURGING DATA SHEET

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

MISCELLANEOUS DATA

Condition of Traffic Box: Good

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

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 80 F Sunny, Wind 5 MPH NE

Comments: Sampled at: 1345

Well Recovery Calculation

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

11.86 + 0.2 * 1.41 = 12.14

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

5 gallons / 1111

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

INDICATOR DATA

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

MISCELLANEOUS DATA

Condition of Traffic Box: Good

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

Water Level Indicator: **Solinst Model 101**

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

Comments: Sampled at: 0950

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

6.03 + 0.2 * 0.09 = 6.05

X + 0.2 Y = R
6.03

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

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

MISCELLANEOUS DATA

Condition of Traffic Box: Good

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

Water Level Indicator: **Solinst Model 101**

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

Comments: Sampled at: 1040

Well Recovery Calculation

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

8.58 + 0.2 * 0 = 8.58

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

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

MISCELLANEOUS DATA

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

Comments: Sampled at: 1140

Well Recovery Calculation

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

6.93 + 0.2 * 7.23 = 4.03

1.45

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

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

5 gal / 111

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

INDICATOR DATA

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

MISCELLANEOUS DATA

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

Comments: instantaneous recovery.

Sampled at: 1320

Well Recovery Calculation

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

6.14 + 0.2 * 0 = 6.14

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

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

5 gal / HH

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

INDICATOR DATA

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

MISCELLANEOUS DATA

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

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

Water Level Indicator: **Solinst Model 101**

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

Comments: Sampled at: 1040

Well Recovery Calculation

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

10.22 + 0.2 * 0 = 10.22

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	09-14-17
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCUP-MW1
Observation Period	Start: 1100 Stop: 1145	Survey Reference Point:	TOC
Sampled By:	MP/RTS	Witnessed By:	

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

MISCELLANEOUS DATA

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

Comments: Sampled at: 1120

Well Recovery Calculation

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

5.96 + 0.2 * 0 = 5.96

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

gallons

HH HH

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

INDICATOR DATA

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

MISCELLANEOUS DATA

Condition of Traffic Box: Good

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

Water Level Indicator: **Solinst Model 101**

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

Comments:

Sampled at: 8:55

Well Recovery Calculation

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

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

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

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

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

MISCELLANEOUS DATA

Condition of Traffic Box: Non existent

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

Water Level Indicator: ~~Solinst Model 101~~

Weather Conditions: 80F sunny

Comments: Sampled at: —

Well Recovery Calculation

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

— + 0.2 * — = —

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

MISCELLANEOUS DATA

Condition of Traffic Box: Good

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

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 83° F Sunny, Wind 5-10 mph Southwest

Comments: Sampled at: 1615

Well Recovery Calculation

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

8.01 + 0.2 * 0 = 8.01

7.82 Draw

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

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

PURGING DATA

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

CASING OR BOREHOLE VOLUME

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

INDICATOR DATA

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

MISCELLANEOUS DATA

Condition of Traffic Box: Good

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

Water Level Indicator: **Solinst Model 101**

Weather Conditions: 76F Sunny No wind

Comments: Sampled at: 1140

Well Recovery Calculation

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

9.54 + 0.2 * 0 = 9.54

pump rate 150 V.

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW01
LAMW-5S
MBCMW-6
SMBRP-7B
M7-2
M7-1
MCWP-MW04
CCW-4
M6-1
SMBRP-16
MBCMW-9
SMBRP-2
CCPNE
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
CCPE
MBCMW-7
CCPSW
MCWP-MW01
P-4
P-9
MCWP-MW04S
MCWP-MW04D
MCWP-MW02
MCWP-MW06
Lagoon before
SMBRP-15b
MCWP-MW10
TY-MW1 LOST
MCWP-MW07S
MCWP-MW03
MCWP-MW07D
SMBRP-11
SMBRP-12
MCWP-MW08
SMBRP-13
MCWP-MW09
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
5/1/2015
2012.190
MCWP
1

Schedule

Schedul' Annual GWM Malibu

Monday 9-11-17

LAMW-5S Purge

SMBRP-9 Purge

MBCMW-9 Purge (not sampled)

MCWP-MW04S Purge

MCWP-MW07S Purge

Tuesday 9-12-17

LAMW-5S sample

SMBRP9 Sample

SMBRP-7B Purge/Sample

MCWP-MW07S sample

Wednesday 9-13-17

LAMW-5S Purge (bacti)

MCWP-MW04S sampled

CUPE purge and sample

SMBRP-13 Purge/sample

SMBRP-12 Purge and Sample

MCWP-MW09 Purge and sample

Thursday 9-14-17

LAMW-5S Sample (bacti only)

MCWP-MW06 Purge Sample

MCWP-MW10 Purge and Sample

MCWP-MW07D Purge and Sample

Friday 9-15-17

MCWP-MW05 Purge and Sample

MCWP-MW04D Purge and Sample

Malibu WDR/MOU/SNMP Groundwater Monitoring Sequence

To most efficiently purge and sample 16 groundwater monitoring wells in 4-5 days please follow the below sequencing. This sequence has been developed by reviewing purge times, recharge times, bottle counts, and staff resources. Dispose of purge water in 55-gallon drums located in upper Malibu parking lot. May need to replace 55-gallon drums 1Q2018 due to rust. Refer to previous bi-annual groundwater monitoring field sheets and WDR.MOU.SNMP Monitoring Spreadsheet.

Supplies

DTW Gauge	Decon buckets (1 with Alconox, 2 tap, 1 extra tap)	Extension Cord
Field Sheets (GW Purge)	Misc. Field Tools	Bailer cord with reel
Tubing (Designated Teflon Lined) atleast 100 ft.	Field Water Quality Kit in case YSI meter failure	Bailers for MBCMW-9 and in case of emergency
Clean Pumps with min depth 100 ft. (in case of problem with Grundfos)	Both Poly Tanks (100 gallon and 200 gallon) + trucks to carry poly tanks and supplies	Grounding plug for generator
YSI Water Quality Meter with designated measuring cup (make a cup for it)	5-6 five (5) gallon buckets for purge water	Bottles for filtered samples with filters – chrome 6
Coolers	Generator capable of powering Grundfos	Tubing for transferring water from poly tank to 55-gallon drums – at site
Bottle (pre-labeled and boxed separately.	Submersible pumps for transferring water from poly tank to 55-gallon drums (100 ft. pumps)	CEC coolers!

Monday (9-11-17) M Pendleton P. Shellenbarger

- Conduct monthly depth to water at 46 groundwater monitoring wells in Civic Center Area. Arrive very early in Malibu – recommend arrival at 7:00AM
- Pre-Purge slow recovery wells in this order. Return next day to sample. Note approximately purge volume in ( )
  - ④ ~~4.~~ LAMW-5S (25 gallons) Purge (dry at 33 gallons) 1605-1710
  - ③ ~~3.~~ MCWP-MW07S (7 gallons) Purge (Dry at 5 gallons) 1505-1600
  - ② ~~2.~~ MCWP-MW04S slow recharge, check next day, may require sampling two days following initial purge (12 gallons) Purge (dry at 12 gallons) 1405-1500
  - ① ~~1.~~ SMBRP-9 (5 gallons) Purge (5 gallons) 1318-1400
  - ⑤ ~~5.~~ MBCMW-9 (bailer until dry 1-2 gallons) Hand bailer (Dry at 0.01 gallon). 1630-1700

Tuesday 9-12-17 M Pendleton, R. Stewart

- Arrive onsite at/before 7:00AM
- Sample wells purged previous day first
    1. LAMW-5S sampled at 0837
    2. MCWP-MW07S ~~MS~~ Sampled at 1015
    3. MCWP-MW04S Recovery Not achieved by 11 AM
    4. SMBRP-9
    5. MBCMW-9
- If time allow for additional wells to sample without compromising 8 hour hold time for bacteria start with next day's program.

Wednesday

- Arrive onsite at/before 7:00AM
- Purge and sample following wells
    1. CCPE (25 gallons)
    2. SMBRP -7B (8)
    3. SMBRP-13 (8 gallons)
    4. SMBRP-12 (9 gallons)
    5. MCWP-MW09 (42)
    6. MCWP-MW10 (8)

Thursday

- Arrive onsite at/before 7:00AM
- Purge and sample following wells
    1. MCWP-MW07D (60)
    2. TY-MW-1 (6)
    3. MCWP-MW06 (65)

Friday

- Arrive onsite at/before 7:00AM
- Purge and sample following wells
    1. MCWP-MW05 (285)
    2. MCWP-MW04D (270)

Malibu WDR/MOU/SNMP Groundwater Monitoring Sequence

To most efficiently purge and sample 16 groundwater monitoring wells in 4-5 days please follow the below sequencing. This sequence has been developed by reviewing purge times, recharge times, bottle counts, and staff resources. Dispose of purge water in 55-gallon drums located in upper Malibu parking lot. May need to replace 55-gallon drums 1Q2018 due to rust. Refer to previous bi-annual groundwater monitoring field sheets and WDR.MOU.SNMP Monitoring Spreadsheet.

Supplies

DTW Gauge	Decon buckets (1 with Alconox, 2 tap, 1 extra tap)	Extension Cord
Field Sheets (GW Purge)	Misc. Field Tools	Bailer cord with reel
Tubing (Designated Teflon Lined) atleast 100 ft.	Field Water Quality Kit in case YSI meter failure	Bailers for MBCMW-9 and in case of emergency
Clean Pumps with min depth 100 ft. (in case of problem with Grundfos)	Both Poly Tanks (100 gallon and 200 gallon) + trucks to carry poly tanks and supplies	Grounding plug for generator
YSI Water Quality Meter with designated measuring cup (make a cup for it)	5-6 five (5) gallon buckets for purge water	Bottles for filtered samples with filters
Coolers	Generator capable of powering Grundfos	Tubing for transferring water from poly tank to 55-gallon drums
Bottle (pre-labeled and boxed separately.	Submersible pumps for transferring water from poly tank to 55-gallon drums (100 ft. pumps)	

<u>Monday</u>

- Conduct monthly depth to water at 46 groundwater monitoring wells in Civic Center Area. Arrive very early in Malibu – recommend arrival at 7:00AM
- Pre-Purge slow recovery wells in this order. Return next day to sample. Note approximately purge volume in ( )
    1. LAMW-5S (25 gallons) Purged
    2. MCWP-MW07S (7 gallons) Purged
    3. MCWP-MW04S slow recharge, check next day, may require sampling two days following initial purge (12 gallons) Purged
    4. SMBRP-9 (5 gallons) Purged
    5. MBCMW-9 (bailer until dry 1-2 gallons) purged 0.1 gal might not be able to sample.

Tuesday

- Arrive onsite at/before 7:00AM
- Sample wells purged previous day first
  1. ~~LAMW-5S~~
  2. ~~MCWP-MW07S~~ sample + will complete 9/13/17
  3. ~~MCWP-MW04S~~
  4. ~~SMBRP-9~~
  5. MBCMW-9 Not enough H_2O
- If time allow for additional wells to sample without compromising 8 hour hold time for bacteria start with next day's program.

MCWP-MW07S – Sampletime 1015 7.12
LAMW-5S 0837 6.65
SMBRP-9 1150 7.35
SMBRP-7D 1345 7.10

Wednesday

- Arrive onsite at/before 7:00AM
- Purge and sample following wells
  1. ~~CCPE (25 gallons)~~ sampled on wednesday at 0950AM
  2. ~~SMBRP-7B (8)~~ sampled on Tuesday
  3. ~~SMBRP-13~~ (8 gallons) sampled on Wednesday at 1040
  4. ~~SMBRP-12 (9 gallons)~~ Sample Time 1140
  5. ~~MCWP-MW09 (42)~~
  6. MCWP-MW10 (8)

(MCWP-MW04S completed from previous Day) 740 – 800

Thursday

- Arrive onsite at/before 7:00AM
- Purge and sample following wells
  1. MCWP-MW07D (60) Sample Time ~~900~~ 0855
  2. ~~TY-MW-1 (6)~~
  3. MCWP-MW06 (65)

add MCWP-MW10
Take Bacti Sample from LAMW-5S (For Prepped sample)

Resample MCWP-MW09 EPA525

Friday

- Arrive onsite at/before 7:00AM
- Purge and sample following wells
  1. MCWP-MW05 (285)
  2. MCWP-MW04D (270)

Thursday 9-14

Time in/Out	well	Field pH	Sample Time
0730/	MCWP-MW07D		

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-6
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
ECI-RC-MW01
LAMW-5S
MBCMW-6
M7-2
M7-1
SMBRP-7B
MCWP-MW04
CCW-4
M6-1
SMBRP-16
MBCMW-9
CCPNE
SMBRP-2
SMBRP-10C
MBCMW-8
MBCMW-10
M6-2
MBCMW-7
CCPE
CCPSW
MCWP-MW01
MCWP-MW04S
MCWP-MW04D
MCWP-MW02
P-4
P-5
Lagoon-before
MCWP-MW06
MCWP-MW10
SMBRP-15b
TT-MW-1 LOST
MCWP-MW07S
MCWP-MW03
MCWP-MW07D
SMBRP-11
SMBRP-12
MCWP-MW05
SMBRP-13
MCWP-MW08
C-1
C-2
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
2012.100
MCWP
1

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Annual

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Field Copy (3 of 3)

4057:09/04/2017

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

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

Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP - BL GWM - CECs**
Purchase Order Number:
Quote Number: **SP 20150526-01**

Sampler(s)

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT)						
1	SMBRP-9			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			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			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:

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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**
Purchase Order Number:
Quote Number: **SP 20150526-01**

Sampler(s) *Matt Pendleton
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	EPA 515 250ml(AGT)	EPA 531.1 125ml(AGT)-Monochloracetic Buffer	EPA 547 125ml(AGT)	EPA 548.1 1000ml(AGT)	EPA 549-Diquat 1000ml(AST)	EPA 552.2 250ml(AGT)-NH4Cl	EPA 624 40ml(VOA)-HCl , 250ml(AGT)	EPA 625 1000ml(AGT)	EPA 625 Pest 1000ml(AGT)	Radio Chemistry-Gross Alpha,Gross Beta,Strontium 90,Total Radium 226,Tritium,Uranium,Ra 228 32oz(P), 32oz(P), 32oz(P)-HNO3 , 32oz(P), 32oz(P)-HNO3 , 125ml(AGT)	EPA 608 - Chlordane, Toxaphene and PBCs 1000ml(AGT)	Sampling Directive: SEE ADDITIONAL COC FOR CECs	
0	Travel Blank			G	LBW																
1	SMBRP-9	9-12-17	1150	G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
2	MCWP-MW04S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
3	MCWP-MW07S	9-12-17	1015	G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
4	SMBRP-12			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
5	MCWP-04D			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
6	MCWP-07D			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
7	MCWP-MW09			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
8	TY-MW-1			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
9	LAMW-5S	9-12-17	~~0877~~ 0900	G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pendleton	9-12-17	1415						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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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**
Purchase Order Number:
Quote Number: **SP 20150526-01**
Sampler(s) Matt Pendleton Ryan Stewart
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number: **SP** **2-25173**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)							
10	SMBRP-13			G	MW				1,1								
11	MCWP-MW10			G	MW				1,1								
12	CCPE			G	MW				1,1								
13	MBCMW-9			G	MW				1,1								
14	SMBRP-7B	7-12-17	1345	G	MW				1,1								
15	MCWP-MW05			G	MW					1							
16	MCWP-MW06			G	MW					1							

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pendleton	7-12-17	1445						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP - BL GWM**
Purchase Order Number:
Quote Number: **SP 20150526-01**

Sampler(s) Matt Pemberton
Ryan Stewart
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE** Potable(P) Non-Potable(NP) Ag Water(AgW) Bacti Type: Other(O) System(SYS) Source(SR) Waste(W) Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	EPA 504.1-DBCP,EDB 40ml(VOA)	EPA 524.2 40ml(VOA)-HCl	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	TOC 40ml(AVT)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	General Mineral ***48 Hour Hold Time*** 250ml(P)-HNO3 , 16oz(P)	Metals, Total-Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Ag,Tl,Cr_III 250ml(P)-HNO3	
10	~~SMBRP-13~~			G	MW				1								
11	~~MCWP-MW10~~			G	MW				1								
12	~~CCPE~~			G	MW				1								
13	~~MBCMW-9~~			G	MW				1								
14	SMBRP-7B	2-17-17	1345	G	MW				1								
15	~~MCWP-MW05~~			G	MW												
16	~~MCWP-MW06~~			G	MW												

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
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Client: **Rincon Consultants, Inc.**
Address: Attn: Torin Snyder
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Ventura, CA 93003
Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP - BL GWM**
Purchase Order Number:
Quote Number: **SP 20150526-01**
Sampler(s): Matt Pawlicki, Ryan Stewart
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number: **SP** **2-25173**

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

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)	Wet Chemistry-Cl Res.,N-Organic,Total N,Oil&Grease-1664,Total P,TSS,BOD,NH3-N ***Cl Res. - 8 Hour Hold Time*** ***BOD-48 Hour Hold Time*** 125ml(AGT), 16oz(P)-H2SO4 , 32oz(AGJ)-H2SO4 , 16oz(P), 32oz(P)	Wet Chemistry-Color,Odor,Turbidity ***24 Hour Hold Time*** 500 ml(AGT)	Wet Chemistry-Perchlorate,Cyanide,Cr (VI) Field filter Cr 6 16oz(P), 16oz(P)-NaOH, 40ml(VFS)-(NH4)2SO4,NH4OH	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** *****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine	EPA 505 40ml(VOA)	EPA 507 1000ml(AGT)	
0	Travel Blank			G	LBW											
1	SMBRP-9	9-12-17	1150	G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
2	MCWP-MW04S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
3	MCWP-MW07S	9-12-17	1015	G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
4	SMBRP-12			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
5	MCWP-04D			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
6	MCWP-07D			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
7	MCWP-MW09			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
8	TY-MW-1			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
9	LAMW-5S	9-12-17	0837	G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pawlicki	9-13-17	1145						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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

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Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

Project Name: **Malibu WWTP - BL GWM**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s): Matt Bullerton
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	EPA 504.1-DBCP,EDB 40ml(VOA)	EPA 524.2 40ml(VOA)-HCl	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	TOC 40ml(AVT)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	General Mineral ***48 Hour Hold Time*** 250ml(P)-HNO3 , 16oz(P)	Metals, Total-Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Ag,Tl,Cr_III 250ml(P)-HNO3	
0	Travel Blank			G	LBW				1	2	4								
1	SMBRP-9	4.11.17	1150	G	MW				1	2	4	1	2				1,1	1	
2	MCWP-MW04S			G	MW				1	2	4	1	2				1,1	1	
3	MCWP-MW07S	4.12.17	1015	G	MW				1	2	4	1	2	7.12	4.12.17	1015	1,1	1	
4	SMBRP-12			G	MW				1	2	4	1	2				1,1	1	
5	MCWP-04D			G	MW				1	2	4	1	2				1,1	1	
6	MCWP-07D			G	MW				1	2	4	1	2				1,1	1	
7	MCWP-MW09			G	MW				1	2	4	1	2				1,1	1	
8	TY-MW-1			G	MW				1	2	4	1	2				1,1	1	
9	LAMW-5S	4.12.17	0857	G	MW				1	2	4	1	2	6.65	4.12.17	0857	1,1	1	

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]		1445						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
	4/12/17	1445						

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Quote Number: **SP 20150526-01**

Sampler(s) Matt Fallon, Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525	***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	EPA 504.1-DBCP,EDB 40ml(VOA)	EPA 524.2 40ml(VOA)-HCl	Coliform-LTB-Series 15 Tube	***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	TOC 40ml(AVT)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	General Mineral	***48 Hour Hold Time*** 250ml(P)-HNO3 , 16oz(P)	Metals, Total-Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Ag,Tl,Cr_III 250ml(P)-HNO3	
0	Travel Blank			G	LBW				1		2	4									
1	SMBRP-9			G	MW				1		2	4	1		2				1,1	1	
2	MCWP-MW04S	9/12/17	1100	G	MW				1		2	4	1		2	5	9/12/17	1100	1,1	1	
3	MCWP-MW07S			G	MW				1		2	4	1		2				1,1	1	
4	SMBRP-12	9/12/17	1140	G	MW				1		2	4	1		2	7	13		1,1	1	
5	MCWP-04D			G	MW				1		2	4	1		2				1,1	1	
6	MCWP-07D			G	MW				1		2	4	1		2				1,1	1	
7	MCWP-MW09	9/12/17	1320	G	MW				1		2	4	1		2	4	9/12/17	1320	1,1	1	
8	TY-MW-1			G	MW				1		2	4	1		2				1,1	1	
9	LAMW-5S			G	MW				1		2	4	1		2				1,1	1	

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Fallon	9/13/17	1112						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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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**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s)

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525	***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	EPA 504.1-DBCP,EDB 40ml(VOA)	EPA 524.2 40ml(VOA)-HCl	Coliform-LTB-Series 15 Tube	***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	TOC 40ml(AVT)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	General Mineral	***48 Hour Hold Time*** 250ml(P)-HNO3 , 16oz(P)	Metals, Total-Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Ag,Tl,Cr_III 250ml(P)-HNO3	
10	SMBRP-13	9-13-17	1400	G	MW								1									
11	MCWP-MW10			G	MW								1									
12	CCPE	9-13-17	1500	G	MW								1									
13	MBCMW-9			G	MW								1									
14	SMBRP-7B			G	MW								1									
15	MCWP-MW05			G	MW																	
16	MCWP-MW06			G	MW																	

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pantier	9-13-17	1420						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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Field Copy (3 of 3)

4052:09/04/2017

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

Client: **Rincon Consultants, Inc.**

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

Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

Project Name: **Malibu WWTP - BL GWM**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Matt Fullerton Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-Cl Res.,N-Organic,Total N,Oil&Grease-1664,Total P,TSS,BOD,NH3-N ***Cl Res. - 8 Hour Hold Time*** ***BOD-48 Hour Hold Time*** 125ml(AGT), 16oz(P)-H2SO4 , 32oz(AGJ)-H2SO4 , 16oz(P), 32oz(P)	Wet Chemistry-Color,Odor,Turbidity ***24 Hour Hold Time*** 500 ml(AGT)	Wet Chemistry-Perchlorate,Cyanide,Cr (VI) Field filter Cr 6 16oz(P), 16oz(P)-NaOH, 40ml(VFS)-(NH4)2SO4,NH4OH	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine	EPA 505 40ml(VOA)	EPA 507 1000ml(AGT)	
0	Travel Blank			G	LBW											
1	SMBRP-9			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
2	MCWP-MW04S	4.13.17	0800	G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
3	MCWP-MW07S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
4	SMBRP-12	4.13.17	1140	G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
5	MCWP-04D			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
6	MCWP-07D			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
7	MCWP-MW09	4.13.17	0720	G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
8	TY-MW-1			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
9	LAMW-5S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Fullerton	4.13.17	1420						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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

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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**
Purchase Order Number:
Quote Number: **SP 20150526-01**
Sampler(s) Matt Pendleton
Ryan Stewart
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number: **SP** **2-25173**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-Cl Res.,N-Organic,Total N,Oil&Grease-1664,Total P,TSS,BOD,NH3-N ***Cl Res. - 8 Hour Hold Time*** ***BOD-48 Hour Hold Time*** 125ml(AGT), 16oz(P)-H2SO4 , 32oz(AGJ)-H2SO4 , 16oz(P), 32oz(P)	Wet Chemistry-Color,Odor,Turbidity ***24 Hour Hold Time*** 500 ml(AGT)	Wet Chemistry-Perchlorate,Cyanide,Cr (VI) Field filter Cr 6 16oz(P), 16oz(P)-NaOH, 40ml(VFS)-(NH4)2SO4,NH4OH	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** *****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine	EPA 505 40ml(VOA)	EPA 507 1000ml(AGT)	
10	SMBRP-13			G	MW												
11	MCWP-MW10			G	MW												
12	CCPE	9-13-17	0950	G	MW												
13	MBCMW-9			G	MW												
14	SMBRP-7B			G	MW												
15	MCWP-MW05			G	MW												
16	MCWP-MW06			G	MW												

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pendleton	9-13-17	1420						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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Field Copy (3 of 3)

4052:09/04/2017

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

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Ventura, CA 93003

Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

Project Name: **Malibu WWTP - BL GWM**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Matt Pendleton Brian Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	EPA 515 250ml(AGT)	EPA 531.1 125ml(AGT)-Monochloracetic Buffer	EPA 547 125ml(AGT)	EPA 548.1 1000ml(AGT)	EPA 549-Diquat 1000ml(AST)	EPA 552.2 250ml(AGT)-NH4Cl	EPA 624 40ml(VOA)-HCl , 250ml(AGT)	EPA 625 1000ml(AGT)	EPA 625 Pest 1000ml(AGT)	Radio Chemistry-Gross Alpha,Gross Beta,Strontium 90,Total Radium 226,Tritium,Uranium,Ra 228 32oz(P), 32oz(P), 32oz(P)-HNO3 , 32oz(P), 32oz(P)-HNO3 , 125ml(AGT)	EPA 608 - Chlordane, Toxaphene and PBCs 1000ml(AGT)	Sampling Directive: SEE ADDITIONAL COC FOR CECs	
0	Travel Blank			G	LBW																
1	SMBRP-9			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
2	MCWP-MW04S	4.12.17	0600	G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
3	MCWP-MW07S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
4	SMBRP-12	4.12.17	1140	G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
5	MCWP-04D			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
6	MCWP-07D			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
7	MCWP-MW09	4.12.17	1320	G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
8	TY-MW-1			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	
9	LAMW-5S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X	

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pendleton	4.13.17	1430						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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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**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Matt Pendleton
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	EPA 515 250ml(AGT)	EPA 531.1 125ml(AGT)-Monochloracetic Buffer	EPA 547 125ml(AGT)	EPA 548.1 1000ml(AGT)	EPA 549-Diquat 1000ml(AST)	EPA 552.2 250ml(AGT)-NH4Cl	EPA 624 40ml(VOA)-HCl , 250ml(AGT)	EPA 625 1000ml(AGT)	EPA 625 Pest 1000ml(AGT)	Radio Chemistry-Gross Alpha,Gross Beta,Strontium 90,Total Radium 226,Tritium,Uranium,Ra 228 32oz(P), 32oz(P), 32oz(P)-HNO3 , 32oz(P), 32oz(P)-HNO3 , 125ml(AGT)	EPA 608 - Chlordane, Toxaphene and PBCs 1000ml(AGT)	Sampling Directive: SEE ADDITIONAL COC FOR CECs	
10	SMBRP-13			G	MW																
11	MCWP-MW10			G	MW																
12	CCPE			G	MW																
13	MBCMW-9			G	MW																
14	SMBRP-7B			G	MW																
15	MCWP-MW05			G	MW																
16	MCWP-MW06			G	MW																

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pendleton	9/13/17	1420						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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Contact Person: Torin Snyder

Project Name: **Malibu WWTP - BL GWM**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Matt Pendleton
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

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

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)	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)							
0	Travel Blank			G	LBW												
1	SMBRP-9			G	MW												
2	MCWP-MW04S	9-13-17	0900	G	MW						2	2					
3	MCWP-MW07S			G	MW												
4	SMBRP-12	9-13-17	1140	G	MW						2	2					
5	MCWP-04D			G	MW												
6	MCWP-07D			G	MW										1		
7	MCWP-MW09	9-13-17	1320	G	MW						2	2					
8	TY-MW-1			G	MW												
9	LAMW-5S			G	MW												

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pendleton	9-13-17	1420						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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Contact Person: Torin Snyder

Project Name: **Malibu WWTP - BL GWM**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Matt Pulleton
Ryan Stuart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)							
10	SMBRP-13	4-12-17	1040	G	MW				1,1								
11	MCWP-MW10			G	MW				1,1								
12	CCPE	4-13-17	0750	G	MW				1,1								
13	MBCMW-9			G	MW				1,1								
14	SMBRP-7B			G	MW				1,1								
15	MCWP-MW05			G	MW					1							
16	MCWP-MW06			G	MW					1							

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pulleton	4-17-17	1420						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Matt Budleton
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE** Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)							
10	SMBRP-13			G	MW			1,1								
11	MCWP-MW10	9-14-17	1120	G	MW			1,1								
12	CCPE			G	MW			1,1								
13	MBCMW-9			G	MW			1,1								
14	SMBRP-7B			G	MW			1,1								
15	MCWP-MW05			G	MW				1							
16	MCWP-MW06	09-14-17	1040	G	MW				1							

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Budleton	9-14-17	1330						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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ENVIRONMENTAL FGL AGRICULTURAL
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Annual

CHAIN OF CUSTODY

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Field Copy (3 of 3)

4052:09/04/2017

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**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Matt Pinkelton
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

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

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)	EPA 515 250ml(AGT)	EPA 531.1 125ml(AGT)-Monochloracetic Buffer	EPA 547 125ml(AGT)	EPA 548.1 1000ml(AGT)	EPA 549-Diquat 1000ml(AST)	EPA 552.2 250ml(AGT)-NH4Cl	EPA 624 40ml(VOA)-HCl , 250ml(AGT)	EPA 625 1000ml(AGT)	EPA 625 Pest 1000ml(AGT)	Radio Chemistry-Gross Alpha,Gross Beta,Strontium 90,Total Radium 226,Tritium,Uranium,Ra 228 32oz(P), 32oz(P), 32oz(P)-HNO3 , 32oz(P), 32oz(P)-HNO3 , 125ml(AGT)	EPA 608 - Chlordane, Toxaphene and PBCs 1000ml(AGT)	Sampling Directive: SEE ADDITIONAL COC FOR CECs
0	Travel Blank			G	LBW															
1	SMBRP-9			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
2	MCWP-MW04S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
3	MCWP-MW07S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
4	SMBRP-12			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
5	MCWP-04D			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
6	MCWP-07D	9.14.17	0855	G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
7	MCWP-MW09			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
8	TY-MW-1			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
9	LAMW-5S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pinkelton	9.14.17	1530						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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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**
Purchase Order Number:
Quote Number: **SP 20150526-01**

Sampler(s) Matt Pueblo Ryan Stewart
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

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

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)	Wet Chemistry-Cl Res.,N-Organic,Total N,Oil&Grease-1664,Total P,TSS,BOD,NH3-N ***Cl Res. - 8 Hour Hold Time*** ***BOD-48 Hour Hold Time*** 125ml(AGT), 16oz(P)-H2SO4 , 32oz(AGJ)-H2SO4 , 16oz(P), 32oz(P)	Wet Chemistry-Color,Odor,Turbidity ***24 Hour Hold Time*** 500 ml(AGT)	Wet Chemistry-Perchlorate,Cyanide,Cr (VI) Field filter Cr 6 16oz(P), 16oz(P)-NaOH, 40ml(VFS)-(NH4)2SO4,NH4OH	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine	EPA 505 40ml(VOA)	EPA 507 1000ml(AGT)	
0	Travel Blank			G	LBW											
1	SMBRP-9			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
2	MCWP-MW04S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
3	MCWP-MW07S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
4	SMBRP-12			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
5	MCWP-04D			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
6	MCWP-07D	9.14.17	0755	G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
7	MCWP-MW09			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
8	TY-MW-1			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
9	LAMW-5S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matt Pueblo	9.14.17	1330						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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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**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s)

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	EPA 504.1-DBCP,EDB 40ml(VOA)	EPA 524.2 40ml(VOA)-HCl	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	TOC 40ml(AVT)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	General Mineral ***48 Hour Hold Time*** 250ml(P)-HNO3 , 16oz(P)	Metals, Total-Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Ag,Tl,Cr_III 250ml(P)-HNO3	
10	SMBRP-13			G	MW							1							
11	MCWP-MW10			G	MW							1							
12	CCPE			G	MW							1							
13	MBCMW-9			G	MW							1							
14	SMBRP-7B			G	MW							1							
15	MCWP-MW05			G	MW														
16	MCWP-MW06			G	MW														

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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

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Address: Attn: Torin Snyder
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Ventura, CA 93003
Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP - BL GWM**
Purchase Order Number:
Quote Number: **SP 20150526-01**
Sampler(s) Matt Bullerton, Ryan Stewart
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number: **SP** **2-25173**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	EPA 504.1-DBCP,EDB 40ml(VOA)	EPA 524.2 40ml(VOA)-HCl	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	TOC 40ml(AVT)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	General Mineral ***48 Hour Hold Time*** 250ml(P)-HNO3 , 16oz(P)	Metals, Total-Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Ag,Tl,Cr_III 250ml(P)-HNO3	
0	Travel Blank	9/14/17	0720	G	LBW				1	2	4								
1	SMBRP-9			G	MW				1	2	4	1	2				1,1	1	
2	MCWP-MW04S			G	MW				1	2	4	1	2				1,1	1	
3	MCWP-MW07S			G	MW				1	2	4	1	2				1,1	1	
4	SMBRP-12			G	MW				1	2	4	1	2				1,1	1	
5	MCWP-04D			G	MW				1	2	4	1	2				1,1	1	
6	MCWP-07D			G	MW				1	2	4	1	2	7.5	9/14/17	0745	1,1	1	
7	MCWP-MW09	9/14/17	0815	G	MW				1	2	4	1	2	7.70	9/14/17	1520	1,1	1	
8	TY-MW-1			G	MW				1	2	4	1	2				1,1	1	
9	LAMW-5S	9/14/17	1225	G	MW				1	2	4	1	2	7.12	9/14/17	1775	1,1	1	

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Matthew Bullerton	9/14/17	1330						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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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) Matt Pundsun
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Week 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT)						
1	SMBRP-9			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			G	MW				2	2					
6	MCWP-07D	9.14.17	0755	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:
Matt Pundsun	9-14-17	13:30						
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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

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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) Matt Pemberton
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT)						
1	SMBRP-9			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	9.14.17	1140	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			G	MW				2	2						

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9.15.17	1440						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
[signature]	9/15/17	1440						

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Purchase Order Number:
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Sampler(s) Matt Pinkerton, Ryan Stewart
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number: **SP** **2-25173**

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	EPA 504.1-DBCP,EDB 40ml(VOA)	EPA 524.2 40ml(VOA)-HCl	Coliform-LTB-Series 15 Tube	****8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	TOC 40ml(AVT)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	General Mineral ***48 Hour Hold Time*** 250ml(P)-HNO3 , 16oz(P)	Metals, Total-Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Ag,Tl,Cr_III 250ml(P)-HNO3	
0	Travel Blank	9.15.17	1430	G	LBW				1	2	4									
1	SMBRP-9			G	MW				1	2	4	1	2					1,1	1	
2	MCWP-MW04S			G	MW				1	2	4	1	2					1,1	1	
3	MCWP-MW07S			G	MW				1	2	4	1	2					1,1	1	
4	SMBRP-12			G	MW				1	2	4	1	2					1,1	1	
5	MCWP-04D	9.15.17	1140	G	MW				1	2	4	1	2	725	9.15.17	1140		1,1	1	
6	MCWP-07D			G	MW				1	2	4	1	2					1,1	1	
7	MCWP-MW09			G	MW				1	2	4	1	2					1,1	1	
8	TY-MW-1			G	MW				1	2	4	1	2					1,1	1	
9	LAMW-5S			G	MW				1	2	4	1	2					1,1	1	

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9.15.17	1140						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
[signature]	9/15/17	1140						

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4052:09/04/2017

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

Client: **Rincon Consultants, Inc.**

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

Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

Project Name: **Malibu WWTP - BL GWM**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s)

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525	***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	EPA 504.1-DBCP,EDB 40ml(VOA)	EPA 524.2 40ml(VOA)-HCl	Coliform-LTB-Series 15 Tube	***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	TOC 40ml(AVT)-H2SO4	Field Test-Field pH !!pH = 15 MINUTE HOLD TIME!!	Field - pH Date	Field - pH Time	General Mineral	***48 Hour Hold Time*** 250ml(P)-HNO3 , 16oz(P)	Metals, Total-Al,Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Ag,Tl,Cr_III 250ml(P)-HNO3	
10	SMBRP-13			G	MW								1									
11	MCWP-MW10			G	MW								1									
12	CCPE			G	MW								1									
13	MBCMW-9			G	MW								1									
14	SMBRP-7B			G	MW								1									
15	MCWP-MW05			G	MW																	
16	MCWP-MW06			G	MW																	

Remarks: **Multiple Chains**

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4052:09/04/2017

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

Client: **Rincon Consultants, Inc.**
Address: Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003
Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP - BL GWM**
Purchase Order Number:
Quote Number: **SP 20150526-01**
Sampler(s) Matt Pendleton, Ryan Stewart
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number: **SP** **2-25173**

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-Cl Res.,N-Organic,Total N,Oil&Grease-1664,Total P,TSS,BOD,NH3-N ***Cl Res. - 8 Hour Hold Time*** ***BOD-48 Hour Hold Time*** 125ml(AGT), 16oz(P)-H2SO4 , 32oz(AGJ)-H2SO4 , 16oz(P), 32oz(P)	Wet Chemistry-Color,Odor,Turbidity ***24 Hour Hold Time*** 500 ml(AGT)	Wet Chemistry-Perchlorate,Cyanide,Cr (VI) Field filter Cr 6 16oz(P), 16oz(P)-NaOH, 40ml(VFS)-(NH4)2SO4,NH4OH	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine	EPA 505 40ml(VOA)	EPA 507 1000ml(AGT)	
0	Travel Blank			G	LBW											
1	SMBRP-9			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
2	MCWP-MW04S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
3	MCWP-MW07S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
4	SMBRP-12			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
5	MCWP-04D	9.15.17	1140	G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
6	MCWP-07D			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
7	MCWP-MW09			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
8	TY-MW-1			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1
9	LAMW-5S			G	MW				1,1,1,1,1	1	1,1,1	1	2	1	2	1

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9.15.17	1440						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
[signature]								

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Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

Project Name: **Malibu WWTP - BL GWM**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s)

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Wet Chemistry-Cl Res.,N-Organic,Total N,Oil&Grease-1664,Total P,TSS,BOD,NH3-N ***Cl Res. - 8 Hour Hold Time*** ***BOD-48 Hour Hold Time*** 125ml(AGT), 16oz(P)-H2SO4 , 32oz(AGJ)-H2SO4 , 16oz(P), 32oz(P)	Wet Chemistry-Color,Odor,Turbidity ***24 Hour Hold Time*** 500 ml(AGT)	Wet Chemistry-Perchlorate,Cyanide,Cr (VI) Field filter Cr 6 16oz(P), 16oz(P)-NaOH, 40ml(VFS)-(NH4)2SO4,NH4OH	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine	EPA 505 40ml(VOA)	EPA 507 1000ml(AGT)	
10	SMBRP-13			G	MW											
11	MCWP-MW10			G	MW											
12	CCPE			G	MW											
13	MBCMW-9			G	MW											
14	SMBRP-7B			G	MW											
15	MCWP-MW05			G	MW											
16	MCWP-MW06			G	MW											

Remarks: **Multiple Chains**

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Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Matt Pendleton
Ryan Stewart

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	EPA 515 250ml(AGT)	EPA 531.1 125ml(AGT)-Monochloracetic Buffer	EPA 547 125ml(AGT)	EPA 548.1 1000ml(AGT)	EPA 549-Diquat 1000ml(AST)	EPA 552.2 250ml(AGT)-NH4Cl	EPA 624 40ml(VOA)-HCl , 250ml(AGT)	EPA 625 1000ml(AGT)	EPA 625 Pest 1000ml(AGT)	Radio Chemistry-Gross Alpha,Gross Beta,Strontium 90,Total Radium 226,Tritium,Uranium,Ra 228 32oz(P), 32oz(P), 32oz(P)-HNO3 , 32oz(P), 32oz(P)-HNO3 , 125ml(AGT)	EPA 608 - Chlordane, Toxaphene and PBCs 1000ml(AGT)	Sampling Directive: SEE ADDITIONAL COC FOR CECs
0	Travel Blank			G	LBW														
1	SMBRP-9			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
2	MCWP-MW04S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
3	MCWP-MW07S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
4	SMBRP-12			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
5	MCWP-04D	9-1-17	1140	G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
6	MCWP-07D			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
7	MCWP-MW09			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
8	TY-MW-1			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X
9	LAMW-5S			G	MW				1	1	1	1	1	1	2,1	1	1	1,1,1,1,2,2	1	X

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9-1-17	1140						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
[signature]	9/2/17	1040						

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Sampler(s)

Sampling Fee: _____ Pickup Fee: _____

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

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	EPA 515 250ml(AGT)	EPA 531.1 125ml(AGT)-Monochloracetic Buffer	EPA 547 125ml(AGT)	EPA 548.1 1000ml(AGT)	EPA 549-Diquat 1000ml(AST)	EPA 552.2 250ml(AGT)-NH4Cl	EPA 624 40ml(VOA)-HCl , 250ml(AGT)	EPA 625 1000ml(AGT)	EPA 625 Pest 1000ml(AGT)	Radio Chemistry-Gross Alpha,Gross Beta,Strontium 90,Total Radium 226,Tritium,Uranium,Ra 228 32oz(P), 32oz(P), 32oz(P)-HNO3 , 32oz(P), 32oz(P)-HNO3 , 125ml(AGT)	EPA 608 - Chlordane, Toxaphene and PBCs 1000ml(AGT)	Sampling Directive: SEE ADDITIONAL COC FOR CECs	
10	SMBRP-13			G	MW																
11	MCWP-MW10			G	MW																
12	CCPE			G	MW																
13	MBCMW-9			G	MW																
14	SMBRP-7B			G	MW																
15	MCWP-MW05			G	MW																
16	MCWP-MW06			G	MW																

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
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Sampler(s)

Sampling Fee: _____ Pickup Fee: _____

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

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)	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS	***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS	***NO3-N-48 Hour Hold Time*** 16oz(P)							
0	Travel Blank			G	LBW														
1	SMBRP-9			G	MW														
2	MCWP-MW04S			G	MW														
3	MCWP-MW07S			G	MW														
4	SMBRP-12			G	MW														
5	MCWP-04D			G	MW														
6	MCWP-07D			G	MW														
7	MCWP-MW09			G	MW														
8	TY-MW-1			G	MW														
9	LAMW-5S			G	MW														

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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

Onsite: 0800
Offsite 1245

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

Table 1

Groundwater Monitoring Well Construction

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

8.28

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

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

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

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

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

- Malibu Creek Dry wl algae mats at Bridge

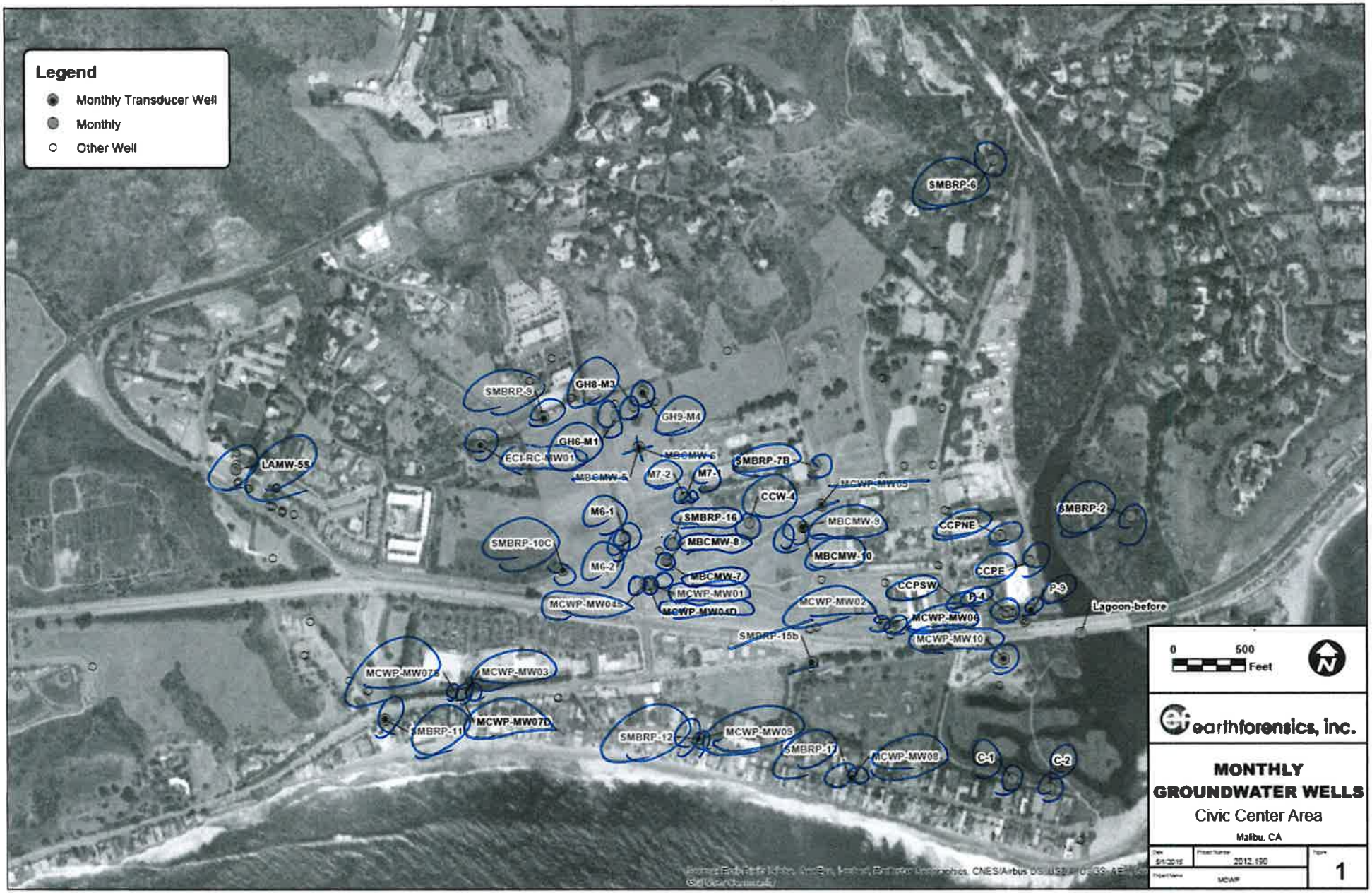
- Malibu lagoon Stage full (closed)

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

Table 1
Groundwater Monitoring Well Construction

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

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


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

City of Malibu
P# 15-01587

8-29-17
Civic Center
Surface Water
Sampling

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

L-001 @ 1020

L-002 @ 1220

L-003 @ 1045

L-004 @ 1155

L-005 @ 1105

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

L-006 @ 1205

N-001 @ ~~1230~~ 1320

N-002 @ ~~1245~~ 1340

N-003 @ 1055

N-004 @ 1255

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

Samples Delivered to FHL @ 1520

Peter Shellenbarger 8-29-17

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Quarterly

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

4053:09/04/2017

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

Client: **Rincon Consultants, Inc.**

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

Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

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

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s)

Sampling Fee: _____ Pickup Fee: _____

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

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

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

Remarks:

2°C

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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

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Fax: (209) 942-0423

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Chico, CA 95926
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Fax: (530) 343-3807

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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

10-16-17

Legend
Monthly Transducer Well
Monthly
Other Well
SMBRP-9
GH8-M3
GH9-M4
GH6-M1
CI-RC-MW01
LAMW-5S
MBCMW-6
MBCMW-5
M7-2
M7-1
SMBRP-7B
CCW-1
SMBRP-1C
MBCMW-8
M6-1
M6-2
SMBRP-10C
MBCMW-7
MCWP-MW01
MCWP-MW04
MCWP-MW04D
MCWP-MW07S
MCWP-MW03
MCWP-MW07D
SMBRP-11
SMBRP-12
MCWP-MW09
SMBRP-13
MCWP-MW08
SMBRP-15b
MCWP-MW02
MCWP-MW06
MCWP-MW10
MBCMW-9
MBCMW-10
CCPNE
CCPE
CCPSW
P-1
P-9
SMBRP-2
SMBRP-6
Lagoon-before
set cones here
TY-MW-1
(92)
0
500
Feet
earthforensics, inc.
MONTHLY
GROUNDWATER WELLS
Civic Center Area
Malibu, CA
2012.150
MCWP
1

XX

Table 1

Groundwater Monitoring Well Construction

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 10/16/2017	Time (10/16/2017)	Time (9/11/2017)	Depth to Water 8/24/2015 (ft bTOC)
1	SMBRP-9	45	2	50.32	35.86	07:20 AM	7:32 AM	38.24
2	SMBRP-8 (EG-RC	60	4		26.10	07:23 AM	7:39 AM	28.74
3	SMBRP-16	25	2	14.5	4.84	7:47 AM	7:47 AM	4.95
4	MBCMW-7	52.5	2	16.635	11.28	7:51 AM	7:51 AM	11.26
5	MBCMW-8	10	2	16.53	8.07	07:49 AM	7:53 AM	9.11
6	CCW-4		1	15.765	6.99	8:04 AM	7:56 AM	6.5
7	SMBRP-7b	45	2	18.985	11.12	7:54 AM	8:04 AM	10.69
8	MCWP-MW05	158	4		7.48	8:18 AM	8:08 AM	7.62
9	MBCMW-10	53	2	17.74	8.36	8:15 AM	8:14 AM	8.63
10	MBCMW-9	10	2	17.71	7.83	8:12 AM	8:15 AM	8.7
* 11	SMBRP-6	25	2	26.875	16.27	8:38 AM	8:27 AM	16.49
12	SMBRP-2	25	2	13.131	6.22	8:49 AM	8:39 AM	6.04
13	MCWP-MW10	60	2		5.88	9:02 AM	8:54 AM	5.7
14	C-2	14.5	2	11.19	4.95	9:10 AM	9:11 AM	5.11
15	C-1	14.5	n/a	11.47	5.13	9:12 AM	9:16 AM	n/a
16	P-4	12.5	4	12.155	4.75	9:27 AM	9:29 AM	4.58
17	P-9	14.3	4	12.165	5.24	9:29 AM	9:32 AM	5.07
18	CCPE	20	2	12.935	5.60	9:31 AM	9:36 AM	5.76
19	CCPNE		2	13.675	6.58	9:35 AM	9:39 AM	6.44
20	CCPSW		2	13.67	6.38	9:41 AM	9:44 AM	6.29
21	MCWP-MW06	153	2		9.72	9:46 AM	10:01 AM	9.87
22	MCWP-MW02	145	6	18.06	10.28	9:47 AM	10:05 AM	10.39
23	MCWP-MW01	148	6		10.06	9:55 AM	10:15 AM	10.22
24	MCWP-MW04D	148	4		9.24	9:54 AM	10:18 AM	9.35
25	MCWP-MW04S	20	4		6.74	9:53 AM	10:21 AM	7.55
26	SMBRP-10C	25	2	16.25	~~7.3~~ 7.37	10:45 AM	10:27 AM	7.37
27	LAMW-5S	20	4	104.55	~~50~~ 50.99	10:50 AM	10:36 AM	53.71
28	MCWP-MW07D	134	2		7.20	07:33 AM	10:52 AM	7.51

29	MCWP-MW03	134	6		7.39	07:35 AM	10:58 AM	7.65
30	SMBRP-11	20	2	18.35	8.51	0731	11:00 AM	8.88
31	M7-2 (S)	(17.25') 25	2		7.64	10:05 AM	11:22 AM	7.78
32	M7-1 (D)	(37.02') 40	2		8.14	10:07 AM	11:25 AM	8.09
33	GH9-M4	45	2		27.92	10:23 AM	11:40 AM	30.31
34	GH8-M3	40	2		26.63	10:25 AM	11:43 AM	28.37
35	GH6-M1	35	2		27.13	10:27 AM	11:52 AM	28.92
36	M6-2	20	2		~~6.71~~ 5.45	10:32 AM	11:57 AM	5.76
37	M6-1	45	2		6.71	10:33 AM	12:00 PM	6.61
38	SMBRP-13	20	2	13.58	8.05	11:13 AM	12:16 PM	8.32
39	MCWP-MW08	77	2		7.72	11:11 AM	12:19 PM	7.64
40	MCWP-MW09	95	2	16.3	~~5.90~~ 5.90	11:08 AM	12:24 PM	7.52
41	SMBRP-12	25	2	12.615	6.88	11:10 AM	12:26 PM	5.69
42	MCWP-MW07S	20	2		6.04	07:37 AM	3:15 PM	6.76
43	Lagoon		n/a		—	—	--	n/a
44	MBCMW-5	19.4	n/a	29.03	—	—	--	n/a
45	MBCMW-6	64.26	n/a	29.02	—	—	--	n/a
46	SMBRP-15b	25	1	16.765	Dry — Depth to bottom 8.12'	—	dry	dry, recorded depth

Table 1

Groundwater Monitoring Well Construction Details

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 11/15/2017	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	5.32	1210	n/a
2	C-2	14.5	2	11.19	5.04	1215	5.11
3	CCPE	20	2	12.935	5.82	1055	5.76
4	CCPNE		2	13.675	6.52	1049	6.44
5	CCPSW		2	13.67	6.36	1110	6.29
6	CCW-4		1	15.765	6.43	0802	6.5
7	GH6-M1	35	2		27.30	1020	28.92
8	GH8-M3	40	2		26.77	1018	28.37
9	GH9-M4	45	2		28.27	1015	30.31
10	Lagoon		n/a		—	—	n/a
11	LAMW-5S	20	4	104.55	51.66	0845	53.71
12	M6-1	45	2		6.57	1025	6.61
13	M6-2	20	2		5.27	1027	5.76
14	M7-1	40	2		7.95	1034	8.09
15	M7-2	25	2		7.58	1033	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	11.12	0753	11.26
19	MBCMW-8	10	2	16.53	7.84	0750	9.11
20	MBCMW-9	10	2	17.71	7.50	0824	8.7
21	MBCMW-10	53	2	17.74	8.36	0822	8.63
22	MCWP-MW01	148	6		9.99	0857	10.22
23	MCWP-MW02	145	6	18.06	10.49	1117	10.39
24	MCWP-MW03	134	6		7.70	0910	7.65
25	MCWP-MW04D	148	4		9.13	0855	9.35
26	MCWP-MW04S	20	4		6.71	0853	7.55
27	MCWP-MW05	158	4		7.41	0829	7.62

28	MCWP-MW06	153	2		9.91	1118	9.87
29	MCWP-MW07D	134	2		7.54	0911	7.51
30	MCWP-MW07S	20	2		6.50	0913	6.76
31	MCWP-MW08	77	2		7.78	0943	7.64
32	MCWP-MW09	95	2	16.3	5.70	0938	7.52
33	MCWP-MW10	60	2		5.83	1202	5.7
34	P-4	12.5	4	12.155	4.74	1100	4.58
35	P-9	14.3	4	12.165	5.20	1104	5.07
36	SMBRP-2	25	2	13.131	6.13	1145	6.04
37	SMBRP-6	25	2	26.875	16.40	1135	16.49
38	SMBRP-7b	45	2	18.985	10.77	0810	10.69
39	SMBRP-8 (EG-RC MW01)	60	4		26.56	0735	28.74
40	SMBRP-9	45	2	50.32	36.24	0728	38.24
41	SMBRP-10C	25	2	16.25	7.38	0834	7.37
42	SMBRP-11	20	2	18.35	8.57	0917	8.88
43	SMBRP-12	25	2	12.615	7.08	0936	5.69
44	SMBRP-13	20	2	13.58	8.20	0940	8.32
45	SMBRP-15b	25	1	16.765	DRY (TD=7.62)	0924	dry, recorded depth
46	SMBRP-16	25	2	14.5	4.47	0740	4.95

Table 1

Groundwater Monitoring Well Construction

	Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 12/11/2017	Time	Depth to Water 8/24/2015 (ft bTOC)
1	C-1	14.5	n/a	11.47	7.70	1225	n/a
2	C-2	14.5	2	11.19	7.46	1230	5.11
3	CCPE	20	2	12.935	9.70	1045	5.76
4	CCPNE		2	13.675	9.14	1049	6.44
5	CCPSW		2	13.67	9.05	1054	6.29
6	CCW-4		1	15.765	6.36	0911	6.5
7	GH6-M1	35	2		27.51	0948	28.92
8	GH8-M3	40	2		27.13	0951	28.37
9	GH9-M4	45	2		28.70	0953	30.31
10	Lagoon		n/a		—		n/a
11	LAMW-5S	20	4	104.55	52.42	0941	53.71
12	M6-1	45	2		7.20	1000	6.61
13	M6-2	20	2		4.41	1002	5.76
14	M7-1	40	2		8.25	0934	8.09
15	M7-2	25	2		7.68	0935	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	12.03	0855	11.26
19	MBCMW-8	10	2	16.53	8.51	0851	9.11
20	MBCMW-9	10	2	17.71	7.73	0916	8.7
21	MBCMW-10	53	2	17.74	9.70	0914	8.63
22	MCWP-MW01	148	6		11.57	1115	10.22
23	MCWP-MW02	145	6	18.06	8.65	1106	10.39
24	MCWP-MW03	134	6		9.25	1130	7.65
25	MCWP-MW04D	148	4		10.78	1113	9.35
26	MCWP-MW04S	20	4		7.15	1112	7.55
27	MCWP-MW05	158	4		8.78	0920	7.62

28	MCWP-MW06	153	2		11.10	1104	9.87
29	MCWP-MW07D	134	2		9.12	1133	7.51
30	MCWP-MW07S	20	2		5.73	1134	6.76
31	MCWP-MW08	77	2		9.02	1152	7.64
32	MCWP-MW09	95	2	16.3	7.10	1146	7.52
33	MCWP-MW10	60	2		8.23	1245	5.7
34	P-4	12.5	4	12.155	7.53	1032	4.58
35	P-9	14.3	4	12.165	8.26	1040	5.07
36	SMBRP-2	25	2	13.131	9.22	1030	6.04
37	SMBRP-6	25	2	26.875	16.40	1019	16.49
38	SMBRP-7b	45	2	18.985	11.11	0924	10.69
39	SMBRP-8 (EG-RC	60	4		27.02	0929	28.74
40	SMBRP-9	45	2	50.32	36.48	0820	38.24
41	SMBRP-10C	25	2	16.25	7.43	0934	7.37
42	SMBRP-11	20	2	18.35	8.65	1135	8.88
43	SMBRP-12	25	2	12.615	7.17	1147	5.69
44	SMBRP-13	20	2	13.58	9.00	1153	8.32
45	SMBRP-15b	25	1	16.765	DRY TD=7.65	1201	dry, recorded depth 8.77
46	SMBRP-16	25	2	14.5	4.80	0900	4.95

Appendix B

Analytical Laboratory Reports

April 5, 2017

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

SP 1703769:1-2, 9, 12-14 **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 1703769-001	SMBRP-9	Source-Other	Peter Shellenberger	Rincon Consultants,	03/28/2017 10:50	03/28/2017 15:39 lmm	04/01/2017 lmm
2	SP 1703769-002	MCWP-MW04S	Source-Other	Peter Shellenberger	Rincon Consultants,	03/28/2017 11:15	03/28/2017 15:41 rv	03/31/2017 rv
3	SP 1703769-009	LAMW-5S	Source-Other	Peter Shellenberger	Rincon Consultants,	03/28/2017 10:20	03/28/2017 15:43 rv	03/31/2017 rv
4	SP 1703769-012	CCPE	Source-Other	Peter Shellenberger	Rincon Consultants,	03/28/2017 09:00	03/28/2017 15:45 rv	03/30/2017 rv
5	SP 1703769-013	MBCMW-9	Source-Other	Peter Shellenberger	Rincon Consultants,	03/28/2017 11:40	03/28/2017 15:57 rv	04/01/2017 rv
6	SP 1703769-014	SMBRP-7B	Source-Other	Peter Shellenberger	Rincon Consultants,	03/28/2017 12:05	03/28/2017 15:59 rv	03/31/2017 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	9.3 PRESENT	<1.8 ABSENT	---	N/R			
2	MCWP-MW04S	---	---	SM 9221B	MPN/100ml	33 PRESENT	<1.8 ABSENT	---	N/R			
3	LAMW-5S	---	---	SM 9221B	MPN/100ml	49 PRESENT	<1.8 ABSENT	---	N/R			
4	CCPE	---	---	SM 9221B	MPN/100ml	>1600 PRESENT	350 PRESENT	---	N/R			
5	MBCMW-9	---	---	SM 9221B	MPN/100ml	11 PRESENT	4.5 PRESENT	---	N/R			
6	SMBRP-7B	---	---	SM 9221B	MPN/100ml	4.5 PRESENT	<1.8 ABSENT	---	N/R			

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

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

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-04-05

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April 6, 2017

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

Lab ID : SP 1703769
Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 11 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(7 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
SMBRP-9	03/28/2017	03/28/2017	SP 1703769-001	MW
MCWP-MW04S	03/28/2017	03/28/2017	SP 1703769-002	MW
LAMW-5S	03/28/2017	03/28/2017	SP 1703769-009	MW
CCPE	03/28/2017	03/28/2017	SP 1703769-012	MW
MBCMW-9	03/28/2017	03/28/2017	SP 1703769-013	MW
SMBRP-7B	03/28/2017	03/28/2017	SP 1703769-014	MW
MCWP-MW06	03/28/2017	03/28/2017	SP 1703769-016	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	03/29/2017:203656 All preparation quality controls are within established criteria.
351.2	03/29/2017:203616 All preparation quality controls are within established criteria.
4500NH3G	03/29/2017:204495 All analysis quality controls are within established criteria.
	03/29/2017:203612 All preparation quality controls are within established criteria, except: The following note applies to Ammonia Nitrogen: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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April 6, 2017 Lab ID : SP 1703769
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO2F	03/29/2017:203667 All preparation quality controls are within established criteria.
4500NO3F	03/29/2017:204558 All analysis quality controls are within established criteria.
	03/29/2017:204560 All analysis quality controls are within established criteria.
	03/29/2017:203666 All preparation quality controls are within established criteria.
4500-P B	03/31/2017:203770 All preparation quality controls are within established criteria.
	04/04/2017:203898 All preparation quality controls are within established criteria.
4500PE	04/01/2017:204688 All analysis quality controls are within established criteria.
	04/04/2017:204842 All analysis quality controls are within established criteria.
EPA351.2	03/30/2017:204571 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: 2017-04-06

April 6, 2017

Lab ID : SP 1703769-001
Customer ID : 2-25173

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

Sampled On : March 28, 2017-10:50
Sampled By : Peter Shellenberger
Received On : March 28, 2017-15:25
Matrix : Monitoring Well

Description : SMBRP-9
Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	22.2	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-15:33JDD
Nitrite Nitrogen	0.0480	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-15:30JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:39AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:39AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	203616	03/29/17 08:20	EPA351.2	204571-FI206	03/30/17-07:22AMB
Phosphorus, Total	0.101	0.1	0.020	mg/L	1	b	4500-P B	203898	04/04/17 15:20	4500PE	204842-UV205	04/04/17-17:50SJN
Total Dissolved Solids (TFR)	2080	20	5.8	mg/L	1		2540CE	203656	03/29/17 13:05	2540C	204578-WT219	03/30/17-10:35CTL

DQF Flags Definition:

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

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

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April 6, 2017

Lab ID : SP 1703769-002
Customer ID : 2-25173

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

Sampled On : March 28, 2017-11:15
Sampled By : Peter Shellenberger
Received On : March 28, 2017-15:25
Matrix : Monitoring Well

Description : MCWP-MW04S
Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	2.00	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-15:35JDD
Nitrite Nitrogen	0.0210	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-15:32JDD
Nitrogen, Organic	1.44	0.5	0.072	mg/L	1	b	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:22AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:22AMB
Kjeldahl Nitrogen	1.44	0.5	0.19	mg/L	1	b	351.2	203616	03/29/17 08:20	EPA351.2	204571-FI206	03/30/17-07:23AMB
Phosphorus, Total	0.417	0.1	0.020	mg/L	1	b	4500-P B	203770	03/31/17 15:43	4500PE	204688-UV205	04/01/17-12:34SJN
Total Dissolved Solids (TFR)	6360	34	5.8	mg/L	1.7		2540CE	203656	03/29/17 13:05	2540C	204578-WT219	03/30/17-10:41CTL

DQF Flags Definition:

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

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

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April 6, 2017

Lab ID : SP 1703769-009
Customer ID : 2-25173

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

Sampled On : March 28, 2017-10:20
Sampled By : Peter Shellenberger
Received On : March 28, 2017-15:25
Matrix : Monitoring Well

Description : LAMW-5S
Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	13.6	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-15:37JDD
Nitrite Nitrogen	0.0160	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-15:35JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:37AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:37AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	203616	03/29/17 08:20	EPA351.2	204571-FI206	03/30/17-07:24AMB
Phosphorus, Total	5.24	0.5	0.020	mg/L	5	b	4500-P B	203770	03/31/17 15:43	4500PE	204688-UV205	04/01/17-12:35SJN
Total Dissolved Solids (TFR)	696	20	5.8	mg/L	1		2540CE	203656	03/29/17 13:05	2540C	204578-WT219	03/30/17-10:24CTL

DQF Flags Definition:

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

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

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April 6, 2017

Lab ID : SP 1703769-012
Customer ID : 2-25173

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

Sampled On : March 28, 2017-09:00
Sampled By : Peter Shellenberger
Received On : March 28, 2017-15:25
Matrix : Monitoring Well

Description : CCPE
Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.600	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-15:39JDD
Nitrite Nitrogen	0.0960	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-15:37JDD
Nitrogen, Organic	3.60	0.5	0.072	mg/L	1	b	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:14AMB
Ammonia Nitrogen	1.11	0.2	0.072	mg/L	1		4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:14AMB
Kjeldahl Nitrogen	4.71	0.5	0.19	mg/L	1	b	351.2	203616	03/29/17 08:20	EPA351.2	204571-FI206	03/30/17-07:25AMB
Phosphorus, Total	0.932	0.1	0.020	mg/L	1	b	4500-P B	203770	03/31/17 15:43	4500PE	204688-UV205	04/01/17-12:36SJN
Total Dissolved Solids (TFR)	968	20	5.8	mg/L	1		2540CE	203656	03/29/17 13:05	2540C	204578-WT219	03/30/17-10:25CTL

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.

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April 6, 2017

Lab ID : SP 1703769-013
Customer ID : 2-25173

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

Sampled On : March 28, 2017-11:40
Sampled By : Peter Shellenberger
Received On : March 28, 2017-15:25
Matrix : Monitoring Well

Description : MBCMW-9
Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0900	0.1	0.032	mg/L	1	J	4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-15:41JDD
Nitrite Nitrogen	0.0120	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-15:39JDD
Nitrogen, Organic	1.22	0.5	0.072	mg/L	1	b	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:42AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:42AMB
Kjeldahl Nitrogen	1.22	0.5	0.19	mg/L	1	b	351.2	203616	03/29/17 08:20	EPA351.2	204571-FI206	03/30/17-07:26AMB
Phosphorus, Total	0.307	0.1	0.020	mg/L	1	b	4500-P B	203898	04/04/17 15:20	4500PE	204842-UV205	04/04/17-17:51SJN
Total Dissolved Solids (TFR)	4980	34	5.8	mg/L	1.7		2540CE	203656	03/29/17 13:05	2540C	204578-WT219	03/30/17-10:28CTL

DQF Flags Definition:

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

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

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April 6, 2017

Lab ID : SP 1703769-014
Customer ID : 2-25173

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

Sampled On : March 28, 2017-12:05
Sampled By : Peter Shellenberger
Received On : March 28, 2017-15:25
Matrix : Monitoring Well

Description : SMBRP-7B
Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	2.30	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-15:55JDD
Nitrite Nitrogen	0.0540	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-15:52JDD
Nitrogen, Organic	0.332	0.5	0.072	mg/L	1	UJb	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:35AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203612	03/29/17 03:00	4500NH3G	204495-FI207	03/29/17-05:35AMB
Kjeldahl Nitrogen	0.332	0.5	0.19	mg/L	1	Jb	351.2	203616	03/29/17 08:20	EPA351.2	204571-FI206	03/30/17-07:27AMB
Phosphorus, Total	0.287	0.1	0.020	mg/L	1	b	4500-P B	203898	04/04/17 15:20	4500PE	204842-UV205	04/04/17-17:52SJN
Total Dissolved Solids (TFR)	3430	20	5.8	mg/L	1		2540CE	203656	03/29/17 13:05	2540C	204578-WT219	03/30/17-10:33CTL

DQF Flags Definition:

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

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

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April 6, 2017

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

Description : MCWP-MW06
Project : Malibu WWTP-GW-SNMP/MOU

Lab ID : SP 1703769-016
Customer ID : 2-25173

Sampled On : March 28, 2017-13:50
Sampled By : Peter Shellenberger
Received On : March 28, 2017-15:25
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	3.60	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-15:56JDD
Total Dissolved Solids (TFR)	383	20	5.8	mg/L	1		2540CE	203656	03/29/17 13:05	2540C	204578-WT219	03/30/17-10:37CTL

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

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April 6, 2017 Lab ID : SP 1703769
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Dissolved Solids (TFR)	2540CE	03/29/17:203656CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	998.7	101 %	90-110	
		(SP 1703686-001)	Dup	mg/L		2.7%	5	
Nitrogen, Total Kjeldahl	351.2	03/29/17:203616JMG	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	108 %	80-120	
			LCS	mg/L	12.00	106 %	80-120	
			MS	mg/L	12.00	97.4 %	54-136	
		(SP 1703730-001)	MSD	mg/L	12.00	92.3 %	54-136	
			MSRPD	mg/L	12.00	5.0%	≤25	
		(SP 1703730-001)	Dup	mg/L		0.18	0.5	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	340 %	<¼	
		(SP 1703058-001)	MSD	mg/L	2.000	756 %	<¼	
			MSRPD	mg/L	2.000	23.6%	≤20	435
	4500NH3G	03/29/17:204495AMB	ICB	mg/L		-0.090	0.2	
			ICV	mg/L	2.000	106 %	90-110	
			CCB	mg/L		-0.144	0.2	
			CCV	mg/L	2.000	110 %	90-110	
			CCB	mg/L		-0.171	0.2	
			CCV	mg/L	2.000	109 %	90-110	
Nitrite as Nitrogen	4500NO2F		MS	mg/L	1.218	93.8 %	50-150	
		(VI 1741069-001)	MSD	mg/L	1.218	95.3 %	50-150	
			MSRPD	mg/L	1.218	1.5%	≤30	
Nitrate + Nitrite as N	4500NO3F		MS	mg/L	11.22	92.6 %	5-285	
		(VI 1741069-001)	MSD	mg/L	11.22	93.4 %	5-285	
			MSRPD	mg/L	11.22	0.5%	≤30.4	
	4500NO3F	03/29/17:204560JDD	CCB	mg/L		0.032	0.1	
			CCV	mg/L	11.22	93.9 %	90-110	
			CCB	mg/L		0.041	0.1	
			CCB	mg/L		0.030	0.1	
			CCV	mg/L	11.22	94.7 %	90-110	
			CCB	mg/L		0.037	0.1	
			CCV	mg/L	11.22	95.9 %	90-110	
Nitrite as Nitrogen	4500NO3F	03/29/17:204558JDD	CCB	mg/L		0.0100	0.012	
			CCV	mg/L	1.218	95.5 %	90-110	
			CCB	mg/L		0.0100	0.012	
			CCB	mg/L		0.000	0.012	
			CCV	mg/L	1.218	96.6 %	90-110	
			CCB	mg/L		0.01100	0.012	
			CCV	mg/L	1.218	97.5 %	90-110	
Phosphorus	4500-P B	03/31/17:203770sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	109 %	90-116	
			MS	mg/L	0.2800	119 %	25-292	
		(CH 1771958-001)	MSD	mg/L	0.2800	171 %	25-292	
			MSRPD	mg/L	0.2800	2.4%	≤13.2	
	4500-P B	04/04/17:203898sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	108 %	90-116	
			MS	mg/L	0.2800	322 %	<¼	
		(CC 1780838-001)	MSD	mg/L	0.2800	301 %	<¼	
			MSRPD	mg/L	0.2800	0.3%	≤13.2	
Total Phosphorus	4500PE	04/01/17:204688SJN	CCB	mg/L		0.028	0.1	
			CCV	mg/L	0.5000	106 %	90-110	
			CCB	mg/L		0.031	0.1	
			CCV	mg/L	0.5000	106 %	90-110	
	4500PE	04/04/17:204842SJN	CCB	mg/L		0.022	0.1	
			CCV	mg/L	0.5000	109 %	90-110	

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April 6, 2017 Lab ID : SP 1703769
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Phosphorus	4500PE	04/04/17:204842SJN	CCB	mg/L		0.025	0.1	
			CCV	mg/L	0.5000	104 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	03/30/17:204571AMB	CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	103 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	105 %	90-110	

Definition

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

Explanation

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

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4259:03/06/2017

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) Rincon Consultants Peter Shellenbarger

Sampling Fee: _____ Pickup Fee: _____

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

Lab Number: **SP** 1703109 (1053)-25173

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube	***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS	***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS	***NO3-N-48 Hour Hold Time*** 16oz(P)						
1	SMBRP-9	3-28-17	1050	G	MW				1		1,1									
2	MCWP-MW04S	3-28-17	1115	G	MW				1		1,1									
3	MCWP-MW07S			G	MW				1		1,1									
4	SMBRP-12			G	MW				1		1,1									
5	MCWP-04D			G	MW				1		1,1									
6	MCWP-07D			G	MW				1		1,1									
7	MCWP-MW09			G	MW				1		1,1									
8	TY-MW-1			G	MW				1		1,1									
9	LAMW-5S	3-28-17	1020	G	MW				1		1,1									
10	SMBRP-13			G	MW				1		1,1									

Remarks: **Multiple Chains**

13

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Pat Shellenbarger	3-28-17	1400		3/28/17	1525			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
		1400		3/28/17	1525			

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4259:03/06/2017

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) Rincon Consultants - Peter Shellenberger
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 17037109 (20f3) 2-25173

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
11	MCWP-MW10			G	MW				1	1,1							
12	CCPE	3-28-17	0900	G	MW				1	1,1							
13	MBCMW-9	3-28-17	1140	G	MW				1	1,1							
14	SMBRP-7B	3-28-17	1205	G	MW				1	1,1							
15	MCWP-MW05			G	MW						1						
16	MCWP-MW06	3-28-17	1350	G	MW						1						

Remarks: **Multiple Chains**

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Pete Shellenberger	3-28-17	1400		3/29/17	1525			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
				3/30/17	1505			

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April 5, 2017

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

SP 1703813:4, 7-8, 10-11 **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 1703813-004	SMBRP-12	Source-Other	Peter Shellenberger	Rincon Consultants,	03/29/2017 10:00	03/29/2017 15:01 lmm	04/01/2017 lmm
2	SP 1703813-007	MCWP-MW09	Source-Other	Peter Shellenberger	Rincon Consultants,	03/29/2017 10:50	03/29/2017 15:03 lmm	04/01/2017 lmm
3	SP 1703813-008	TY-MW-1	Source-Other	Peter Shellenberger	Rincon Consultants,	03/29/2017 08:40	03/29/2017 15:05 lmm	04/02/2017 lmm
4	SP 1703813-010	SMBRP-13	Source-Other	Peter Shellenberger	Rincon Consultants,	03/29/2017 09:25	03/29/2017 15:07 lmm	04/01/2017 lmm
5	SP 1703813-011	MCWP-MW10	Source-Other	Peter Shellenberger	Rincon Consultants,	03/29/2017 11:30	03/29/2017 15:09 lmm	03/31/2017 lmm

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	E. Coli	Person Notified ‡	Date ‡ Notified	Time ‡ Notified	Foot Note
1	SMBRP-12	---	---	SM 9221B	MPN/100ml	6.8 PRESENT	<1.8 ABSENT	---	N/R			
2	MCWP-MW09	---	---	SM 9221B	MPN/100ml	13 PRESENT	7.8 PRESENT	---	N/R			
3	TY-MW-1	---	---	SM 9221B	MPN/100ml	4.5 PRESENT	<1.8 ABSENT	---	N/R			
4	SMBRP-13	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
5	MCWP-MW10	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			

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

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

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-04-05

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April 13, 2017

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

Lab ID : SP 1703813
Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 9 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(5 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
SMBRP-12	03/29/2017	03/29/2017	SP 1703813-004	MW
MCWP-MW09	03/29/2017	03/29/2017	SP 1703813-007	MW
TY-MW-1	03/29/2017	03/29/2017	SP 1703813-008	MW
SMBRP-13	03/29/2017	03/29/2017	SP 1703813-010	MW
MCWP-MW10	03/29/2017	03/29/2017	SP 1703813-011	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	03/30/2017:203695 All preparation quality controls are within established criteria
351.2	03/31/2017:203728 All preparation quality controls are within established criteria
4500NH3G	03/31/2017:204649 All analysis quality controls are within established criteria
	04/04/2017:204868 All analysis quality controls are within established criteria
	03/31/2017:203732 All preparation quality controls are within established criteria
	04/04/2017:203867 All preparation quality controls are within established criteria

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April 13, 2017 Lab ID : SP 1703813
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO2F	03/29/2017:203667 All preparation quality controls are within established criteria
4500NO3F	03/29/2017:204558 All analysis quality controls are within established criteria
	03/29/2017:204560 All analysis quality controls are within established criteria
	03/29/2017:203666 All preparation quality controls are within established criteria
4500-P B	04/07/2017:204063 All preparation quality controls are within established criteria
	04/10/2017:204147 All preparation quality controls are within established criteria
4500PE	04/07/2017:205067 All analysis quality controls are within established criteria
	04/11/2017:205164 All analysis quality controls are within established criteria
EPA351.2	04/03/2017:204699 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: 2017-04-13

April 13, 2017

Lab ID : SP 1703813-004
Customer ID : 2-25173

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

Sampled On : March 29, 2017-10:00
Sampled By : Peter Shellenberger
Received On : March 29, 2017-14:45
Matrix : Monitoring Well

Description : SMBRP-12
Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0800	0.1	0.032	mg/L	1	J	4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-16:13JDD
Nitrite Nitrogen	0.0120	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-16:11JDD
Nitrogen, Organic	0.250	0.5	0.072	mg/L	1		4500NH3G	203732	03/31/17 03:00	4500NH3G	204649-FI207	03/31/17-06:44AMB
Ammonia Nitrogen	7.60	0.2	0.072	mg/L	1		4500NH3G	203732	03/31/17 03:00	4500NH3G	204649-FI207	03/31/17-06:44AMB
Kjeldahl Nitrogen	7.85	0.5	0.32	mg/L	1		351.2	203728	03/31/17 06:28	EPA351.2	204699-FI206	04/03/17-05:27AMB
Phosphorus, Total	1.88	0.1	0.020	mg/L	1	b	4500-P B	204063	04/07/17 14:49	4500PE	205067-UV205	04/07/17-19:31SJN
Total Dissolved Solids (TFR)	1610	20	5.8	mg/L	1	b	2540CE	203695	03/30/17 15:38	2540C	204656-WT219	03/31/17-10:12JMG

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.

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April 13, 2017

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

Description : MCWP-MW09
Project : Malibu WWTP-GW-SNMP/MOU

Lab ID : SP 1703813-007
Customer ID : 2-25173

Sampled On : March 29, 2017-10:50
Sampled By : Peter Shellenberger
Received On : March 29, 2017-14:45
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	1.40	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-16:27JDD
Nitrite Nitrogen	0.0130	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-16:24JDD
Nitrogen, Organic	0.583	0.5	0.072	mg/L	1	J	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-07:35AMB
Ammonia Nitrogen	0.148	0.2	0.072	mg/L	1	J	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-07:35AMB
Kjeldahl Nitrogen	0.731	0.5	0.32	mg/L	1	J	351.2	203728	03/31/17 06:28	EPA351.2	204699-FI206	04/03/17-05:28AMB
Phosphorus, Total	0.336	0.1	0.020	mg/L	1	b	4500-P B	204063	04/07/17 14:49	4500PE	205067-UV205	04/07/17-19:32SJN
Total Dissolved Solids (TFR)	1070	20	5.8	mg/L	1	b	2540CE	203695	03/30/17 15:38	2540C	204656-WT219	03/31/17-10:11JMG

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.

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April 13, 2017

Lab ID : SP 1703813-008
Customer ID : 2-25173

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

Sampled On : March 29, 2017-08:40
Sampled By : Peter Shellenberger
Received On : March 29, 2017-14:45
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 Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-16:28JDD
Nitrite Nitrogen	0.0550	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-16:26JDD
Nitrogen, Organic	3.38	0.5	0.072	mg/L	1		4500NH3G	203732	03/31/17 03:00	4500NH3G	204649-FI207	03/31/17-06:14AMB
Ammonia Nitrogen	0.310	0.2	0.072	mg/L	1		4500NH3G	203732	03/31/17 03:00	4500NH3G	204649-FI207	03/31/17-06:14AMB
Kjeldahl Nitrogen	3.69	0.5	0.32	mg/L	1		351.2	203728	03/31/17 06:28	EPA351.2	204699-FI206	04/03/17-05:29AMB
Phosphorus, Total	6.08	0.5	0.020	mg/L	5	b	4500-P B	204147	04/10/17 15:34	4500PE	205164-UV205	04/11/17-17:17SJN
Total Dissolved Solids (TFR)	2140	20	5.8	mg/L	1	b	2540CE	203695	03/30/17 15:38	2540C	204656-WT219	03/31/17-10:18JMG

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.

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April 13, 2017

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

Description : SMBRP-13
Project : Malibu WWTP-GW-SNMP/MOU

Lab ID : SP 1703813-010
Customer ID : 2-25173

Sampled On : March 29, 2017-09:25
Sampled By : Peter Shellenberger
Received On : March 29, 2017-14:45
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.500	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-16:30JDD
Nitrite Nitrogen	0.0140	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-16:28JDD
Nitrogen, Organic	0.416	0.5	0.072	mg/L	1	UJ	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-10:31AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-10:31AMB
Kjeldahl Nitrogen	0.416	0.5	0.32	mg/L	1	J	351.2	203728	03/31/17 06:28	EPA351.2	204699-FI206	04/03/17-05:30AMB
Phosphorus, Total	1.61	0.1	0.020	mg/L	1	b	4500-P B	204063	04/07/17 14:49	4500PE	205067-UV205	04/07/17-19:34SJN
Total Dissolved Solids (TFR)	4620	34	5.8	mg/L	1.7	b	2540CE	203695	03/30/17 15:38	2540C	204656-WT219	03/31/17-10:16JMG

DQF Flags Definition:

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

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

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April 13, 2017

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

Description : MCWP-MW10
Project : Malibu WWTP-GW-SNMP/MOU

Lab ID : SP 1703813-011
Customer ID : 2-25173

Sampled On : March 29, 2017-11:30
Sampled By : Peter Shellenberger
Received On : March 29, 2017-14:45
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	1.00	0.1	0.032	mg/L	1		4500NO3F	203666	03/29/17 14:15	4500NO3F	204560-FI207	03/29/17-16:33JDD
Nitrite Nitrogen	0.0320	0.1	0.011	mg/L	1	J	4500NO2F	203667	03/29/17 14:15	4500NO3F	204558-FI207	03/29/17-16:30JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	203732	03/31/17 03:00	4500NH3G	204649-FI207	03/31/17-06:49AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203732	03/31/17 03:00	4500NH3G	204649-FI207	03/31/17-06:49AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	203728	03/31/17 06:28	EPA351.2	204699-FI206	04/03/17-05:34AMB
Phosphorus, Total	0.0426	0.1	0.020	mg/L	1	Jb	4500-P B	204063	04/07/17 14:49	4500PE	205067-UV205	04/07/17-19:35SJN
Total Dissolved Solids (TFR)	1990	20	5.8	mg/L	1	b	2540CE	203695	03/30/17 15:38	2540C	204656-WT219	03/31/17-10:22JMG

DQF Flags Definition:

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

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

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April 13, 2017 Lab ID : SP 1703813
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Dissolved Solids (TFR)	2540CE	03/30/17:203695CTL	Blank	mg/L		7.1	20	
			LCS	mg/L	998.7	99.5 %	90-110	
		(CC 1780860-001)	Dup	mg/L		1.9%	5	
Nitrogen, Total Kjeldahl	351.2	03/31/17:203728jmg	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	92.2 %	73-124	
			MS	mg/L	12.00	90.0 %	54-136	
		(CC 1780869-001)	MSD	mg/L	12.00	87.0 %	54-136	
			MSRPD	mg/L	12.00	2.8%	≤27	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	116 %	70-130	
		(STK1733466-002)	MSD	mg/L	2.000	112 %	70-130	
			MSRPD	mg/L	2.000	3.0%	≤20	
	4500NH3G	03/31/17:204649AMB	CCB	mg/L		-0.174	0.2	
			CCV	mg/L	2.000	108 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	110 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	108 %	90-110	
	4500NH3G		MS	mg/L	2.000	96.2 %	70-130	
		(SP 1703935-006)	MSD	mg/L	2.000	89.6 %	70-130	
			MSRPD	mg/L	2.000	7.4%	≤20	
			MS	mg/L	2.000	110 %	70-130	
		(STK1733520-015)	MSD	mg/L	2.000	108 %	70-130	
			MSRPD	mg/L	2.000	1.8%	≤20	
	4500NH3G	04/04/17:204868AMB	CCB	mg/L		0.005	0.2	
			CCV	mg/L	2.000	108 %	90-110	
			CCB	mg/L		-0.047	0.2	
			CCV	mg/L	2.000	109 %	90-110	
			CCB	mg/L		0.085	0.2	
			CCV	mg/L	2.000	92.6 %	90-110	
			CCB	mg/L		-0.114	0.2	
			CCV	mg/L	2.000	109 %	90-110	
Nitrite as Nitrogen	4500NO2F		MS	mg/L	1.218	97.5 %	50-150	
		(STK1733483-001)	MSD	mg/L	1.218	98.5 %	50-150	
			MSRPD	mg/L	1.218	1.1%	≤30	
Nitrate + Nitrite as N	4500NO3F		MS	mg/L	11.22	95.2 %	5-285	
		(STK1733483-001)	MSD	mg/L	11.22	96.6 %	5-285	
			MSRPD	mg/L	11.22	1.4%	≤30.4	
	4500NO3F	03/29/17:204560JDD	CCB	mg/L		0.030	0.1	
			CCV	mg/L	11.22	94.7 %	90-110	
			CCB	mg/L		0.037	0.1	
			CCB	mg/L		0.043	0.1	
			CCV	mg/L	11.22	95.9 %	90-110	
			CCB	mg/L		0.096	0.1	
			CCV	mg/L	11.22	95.9 %	90-110	
Nitrite as Nitrogen	4500NO3F	03/29/17:204558JDD	CCB	mg/L		0.000	0.012	
			CCV	mg/L	1.218	96.6 %	90-110	
			CCB	mg/L		0.01100	0.012	
			CCB	mg/L		0.01100	0.012	
			CCV	mg/L	1.218	97.5 %	90-110	
			CCB	mg/L		0.000	0.012	
			CCV	mg/L	1.218	96.6 %	90-110	
Phosphorus	4500-P B	04/07/17:204063sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	108 %	90-116	
			MS	mg/L	0.2800	85.1 %	25-292	
		(SP 1703813-004)	MSD	mg/L	0.2800	70.5 %	25-292	

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April 13, 2017 Lab ID : SP 1703813
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Phosphorus	4500-P B	04/07/17:204063sjn	MSRPD	mg/L	0.2800	1.9%	≤13.2	
	4500-P B	04/10/17:204147sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	107 %	90-116	
			MS	mg/L	0.2800	135 %	25-292	
		(SP 1703813-008)	MSD	mg/L	0.2800	150 %	25-292	
			MSRPD	mg/L	0.2800	0.7%	≤13.2	
Total Phosphorus	4500PE	04/07/17:205067SJN	CCB	mg/L		0.028	0.1	
			CCV	mg/L	0.5000	107 %	90-110	
			CCB	mg/L		0.019	0.1	
			CCV	mg/L	0.5000	109 %	90-110	
	4500PE	04/11/17:205164SJN	CCB	mg/L		0.028	0.1	
			CCV	mg/L	0.5000	105 %	90-110	
			CCB	mg/L		0.022	0.1	
			CCV	mg/L	0.5000	102 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	04/03/17:204699AMB	CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	90.6 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	93.3 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	91.3 %	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 analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

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4259:03/06/2017

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) Rincon Consultants Peter Shellenbarger
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number: SP 1703813 2-25173

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
1	SMBRP-9			G	MW				1	1,1							
2	MCWP-MW04S			G	MW				1	1,1							
3	MCWP-MW07S			G	MW				1	1,1							
4	SMBRP-12	3-29-17	1000	G	MW				1	1,1							
5	MCWP-04D			G	MW				1	1,1							
6	MCWP-07D			G	MW				1	1,1							
7	MCWP-MW09	3-29-17	1050	G	MW				1	1,1							
8	TY-MW-1	3-29-17	0840	G	MW				1	1,1							
9	LAMW-5S			G	MW				1	1,1							
10	SMBRP-13	3-29-17	0925	G	MW				1	1,1							

Remarks: Multiple Chains
3°C
(1 of 2)

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	3/29/17	1330		3/29/17	1545			
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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4259:03/06/2017

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) Peter Shellenbarger
RINCON CONSULTANTS

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 1703813 **2-25173**

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
11	MCWP-MW10	3-29-17	1130	G	MW				1	1,1							
12	CCPE			G	MW				1	1,1							
13	MBCMW-9			G	MW				1	1,1							
14	SMBRP-7B			G	MW				1	1,1							
15	MCWP-MW05			G	MW						1						
16	MCWP-MW06			G	MW						1						

Remarks: **Multiple Chains**

(2 of 2)

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Peter Shellenbarger	3/29/17	1330		3/29/17	1445			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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April 7, 2017

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

SP 1703867:5 **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 1703867-005	MCWP-04D	Source-Other	Peter Shellenberger	Rincon Consultants,	03/30/2017 10:40	03/30/2017 13:57 lmm	04/02/2017 lmm

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	E. Coli	Person Notified ‡	Date ‡ Notified	Time ‡ Notified	Foot Note
1	MCWP-04D	---	---	SM 9221B	MPN/100ml	130 PRESENT	<1.8 ABSENT	---	N/R			

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

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

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-04-07

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April 11, 2017

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

Lab ID : SP 1703867
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	03/30/2017	03/30/2017	SP 1703867-005	MW
MCWP-MW05	03/30/2017	03/30/2017	SP 1703867-015	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	03/31/2017:203762 All preparation quality controls are within established criteria
351.2	03/31/2017:203728 All preparation quality controls are within established criteria
4500NH3G	03/31/2017:204649 All analysis quality controls are within established criteria
	03/31/2017:203732 All preparation quality controls are within established criteria
4500NO2F	03/30/2017:203712 All preparation quality controls are within established criteria
4500NO3F	03/30/2017:204629 All analysis quality controls are within established criteria
	03/30/2017:204632 All analysis quality controls are within established criteria
	03/30/2017:203711 All preparation quality controls are within established criteria

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April 11, 2017 Lab ID : SP 1703867
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Wet Chemistry QC

4500-P B	04/05/2017:203951 All preparation quality controls are within established criteria
4500PE	04/05/2017:204925 All analysis quality controls are within established criteria
EPA351.2	04/03/2017:204699 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: 2017-04-11

April 11, 2017

Lab ID : SP 1703867-005
Customer ID : 2-25173

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

Sampled On : March 30, 2017-10:40
Sampled By : Peter Shellenberger
Received On : March 30, 2017-13:50
Matrix : Monitoring Well

Description : MCWP-04D
Project : Malibu WWTP-GW-SNMP/MOU

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.800	0.1	0.032	mg/L	1		4500NO3F	203711	03/30/17 14:15	4500NO3F	204632-FI207	03/30/17-14:34JDD
Nitrite Nitrogen	0.0280	0.1	0.011	mg/L	1	J	4500NO2F	203712	03/30/17 15:40	4500NO3F	204629-FI207	03/30/17-14:32JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	203732	03/31/17 03:00	4500NH3G	204649-FI207	03/31/17-06:07AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203732	03/31/17 03:00	4500NH3G	204649-FI207	03/31/17-06:07AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	203728	03/31/17 06:28	EPA351.2	204699-FI206	04/03/17-05:38AMB
Phosphorus, Total	0.795	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:44SJN
Total Dissolved Solids (TFR)	232	20	5.8	mg/L	1	b	2540CE	203762	03/31/17 14:12	2540C	204714-WT219	04/03/17-10:35JMG

DQF Flags Definition:

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

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

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April 11, 2017

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

Description : MCWP-MW05
Project : Malibu WWTP-GW-SNMP/MOU

Lab ID : SP 1703867-015
Customer ID : 2-25173

Sampled On : March 30, 2017-15:35
Sampled By : Peter Shellenberger
Received On : March 30, 2017-13:50
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	2.40	0.1	0.032	mg/L	1		4500NO3F	203711	03/30/17 14:15	4500NO3F	204632-FI207	03/30/17-14:36JDD
Total Dissolved Solids (TFR)	171	20	5.8	mg/L	1	b	2540CE	203762	03/31/17 14:12	2540C	204714-WT219	04/03/17-10:34JMG

DQF Flags Definition:
b The Blank was detected above method MDL for constituent but less than the PQL

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

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April 11, 2017 Lab ID : SP 1703867
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Dissolved Solids (TFR)	2540CE	03/31/17:203762CTL	Blank	mg/L		7.8	20	
			LCS	mg/L	998.7	101 %	90-110	
		(SP 1703867-015)	Dup	mg/L		1.3%	5	
Nitrogen, Total Kjeldahl	351.2	03/31/17:203728jmg	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	92.2 %	73-124	
			MS	mg/L	12.00	90.0 %	54-136	
		(CC 1780869-001)	MSD	mg/L	12.00	87.0 %	54-136	
			MSRPD	mg/L	12.00	2.8%	≤27	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	116 %	70-130	
		(STK1733466-002)	MSD	mg/L	2.000	112 %	70-130	
			MSRPD	mg/L	2.000	3.0%	≤20	
	4500NH3G	03/31/17:204649AMB	CCB	mg/L		-0.174	0.2	
			CCV	mg/L	2.000	108 %	90-110	
			CCB	mg/L		0.000	0.2	
			CCV	mg/L	2.000	110 %	90-110	
Nitrite as Nitrogen	4500NO2F		MS	mg/L	1.218	103 %	50-150	
		(STK1733469-001)	MSD	mg/L	1.218	99.3 %	50-150	
			MSRPD	mg/L	1.218	3.7%	≤30	
Nitrate + Nitrite as N	4500NO3F		MS	mg/L	11.22	95.4 %	5-285	
		(STK1733469-001)	MSD	mg/L	11.22	96.3 %	5-285	
			MSRPD	mg/L	11.22	0.9%	≤30.4	
	4500NO3F	03/30/17:204632JDD	CCB	mg/L		0.055	0.1	
			CCV	mg/L	11.22	96.0 %	90-110	
			CCB	mg/L		0.083	0.1	
			CCV	mg/L	11.22	97.3 %	90-110	
Nitrite as Nitrogen	4500NO3F	03/30/17:204629JDD	CCB	mg/L		0.01100	0.012	
			CCV	mg/L	1.218	98.8 %	90-110	
			CCB	mg/L		0.01200	0.012	
			CCV	mg/L	1.218	97.9 %	90-110	
Phosphorus	4500-P B	04/05/17:203951sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	108 %	90-116	
			MS	mg/L	0.2800	36.3 %	25-292	
		(STK1733496-005)	MSD	mg/L	0.2800	29.1 %	25-292	
			MSRPD	mg/L	0.2800	0.020	≤0.1	
Total Phosphorus	4500PE	04/05/17:204925SJN	CCB	mg/L		0.025	0.1	
			CCV	mg/L	0.5000	104 %	90-110	
			CCB	mg/L		0.025	0.1	
			CCV	mg/L	0.5000	103 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	04/03/17:204699AMB	CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	93.3 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	91.3 %	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 analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.

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April 11, 2017 Lab ID : SP 1703867
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Definition	
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

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CHAIN OF CUSTODY
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4259:03/06/2017

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) Peter Shellenbarger
Rincon Consultants, Inc.
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 1703867 2-25173

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)						
1	SMBRP-9			G	MW				1	1,1							
2	MCWP-MW04S			G	MW				1	1,1							
3	MCWP-MW07S			G	MW				1	1,1							
4	SMBRP-12			G	MW				1	1,1							
5	MCWP-04D	3.30.17	1040	G	MW				1	1,1							
6	MCWP-07D			G	MW				1	1,1							
7	MCWP-MW09			G	MW				1	1,1							
8	TY-MW-1			G	MW				1	1,1							
9	LAMW-5S			G	MW				1	1,1							
10	SMBRP-13			G	MW				1	1,1							

Remarks: **Multiple Chains** 4°C (1 of 2)

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	3.30.17	1200		3/30/17	1350			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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CHAIN OF CUSTODY
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4259:03/06/2017

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) Peter Shellenbarger Rincon Consultants, Inc.
Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___
Lab Number: **SP** 1703047 **2-25173**

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

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N,TDS ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4	Wet Chemistry-NO3-N,TDS ***NO3-N-48 Hour Hold Time*** 16oz(P)
11	MCWP-MW10			G	MW				1	1,1	
12	CCPE			G	MW				1	1,1	
13	MBCMW-9			G	MW				1	1,1	
14	SMBRP-7B			G	MW				1	1,1	
15	MCWP-MW05	3-29-17	1535	G	MW						1
16	MCWP-MW06			G	MW						1

Remarks: **Multiple Chains**

(2 of 2)

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Peter Shellenbarger	3-30-17	1200		3/30/17	1350			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**

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April 10, 2017

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

SP 1703935:1-10 **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 1703935-001	N-001	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 09:55	03/31/2017 15:50 lmm	04/04/2017 lmm
2	SP 1703935-002	N-002	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 10:15	03/31/2017 15:52 lmm	04/03/2017 lmm
3	SP 1703935-003	N-003	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 13:00	03/31/2017 15:54 lmm	04/03/2017 lmm
4	SP 1703935-004	N-004	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 09:35	03/31/2017 15:56 lmm	04/04/2017 lmm
5	SP 1703935-005	L-001	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 12:00	03/31/2017 15:58 lmm	04/04/2017 lmm
6	SP 1703935-006	L-002	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 13:40	03/31/2017 16:00 lmm	04/04/2017 lmm
7	SP 1703935-007	L-003	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 12:30	03/31/2017 15:02 lmm	04/04/2017 lmm
8	SP 1703935-008	L-004	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 10:25	03/31/2017 15:04 lmm	04/03/2017 lmm
9	SP 1703935-009	L-005	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 13:10	03/31/2017 15:06 lmm	04/04/2017 lmm
10	SP 1703935-010	L-006	Source-Other	Rincon Consultants	Rincon Consultants,	03/31/2017 10:40	03/31/2017 15:08 lmm	04/03/2017 lmm

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	E. Coli	Person Notified ‡	Date ‡ Notified	Time ‡ Notified	Foot Note
1	N-001	---	---	SM 9221B	MPN/100ml	14	6.8	---	N/R			
2	N-002	---	---	SM 9221B	MPN/100ml	13	<1.8	---	N/R			
3	N-003	---	---	SM 9221B	MPN/100ml	350	33	---	N/R			
4	N-004	---	---	SM 9221B	MPN/100ml	6.8	2	---	N/R			
5	L-001	---	---	SM 9221B	MPN/100ml	540	<1.8	---	N/R			
6	L-002	---	---	SM 9221B	MPN/100ml	130	33	---	N/R			
7	L-003	---	---	SM 9221B	MPN/100ml	70	23	---	N/R			
8	L-004	---	---	SM 9221B	MPN/100ml	540	170	---	N/R			
9	L-005	---	---	SM 9221B	MPN/100ml	170	22	---	N/R			
10	L-006	---	---	SM 9221B	MPN/100ml	540	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.

Reviewed and Approved By **Raquel R. Harvey** Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-04-10

RPH:SMH

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April 11, 2017

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

Lab ID : SP 1703935
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	03/31/2017	03/31/2017	SP 1703935-001	SW
N-002	03/31/2017	03/31/2017	SP 1703935-002	SW
N-003	03/31/2017	03/31/2017	SP 1703935-003	SW
N-004	03/31/2017	03/31/2017	SP 1703935-004	SW
L-001	03/31/2017	03/31/2017	SP 1703935-005	SW
L-002	03/31/2017	03/31/2017	SP 1703935-006	SW
L-003	03/31/2017	03/31/2017	SP 1703935-007	SW
L-004	03/31/2017	03/31/2017	SP 1703935-008	SW
L-005	03/31/2017	03/31/2017	SP 1703935-009	SW
L-006	03/31/2017	03/31/2017	SP 1703935-010	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	04/03/2017:203780 All preparation quality controls are within established criteria
	04/03/2017:203781 All preparation quality controls are within established criteria
4500NH3G	04/04/2017:204868 All analysis quality controls are within established criteria
	04/04/2017:203867 All preparation quality controls are within established criteria

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April 11, 2017 Lab ID : SP 1703935
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO2F	03/31/2017:203739 All preparation quality controls are within established criteria
4500NO3F	03/31/2017:204653 All analysis quality controls are within established criteria
	03/31/2017:204693 All analysis quality controls are within established criteria
	03/31/2017:203738 All preparation quality controls are within established criteria
4500-P B	04/05/2017:203951 All preparation quality controls are within established criteria
	04/07/2017:204063 All preparation quality controls are within established criteria
4500PE	04/05/2017:204925 All analysis quality controls are within established criteria
	04/07/2017:205067 All analysis quality controls are within established criteria
EPA351.2	04/04/2017:204818 All analysis quality controls are within established criteria
	04/05/2017:204869 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: 2017-04-11

April 11, 2017

Lab ID : SP 1703935-001
Customer ID : 2-25173

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

Sampled On : March 31, 2017-09:55
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.200	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:25JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:22JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:08AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:08AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	203780	04/03/17 09:21	EPA351.2	204818-FI206	04/04/17-09:04AMB
Phosphorus, Total	1.69	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:48SJN

DQF Flags Definition:

b The Blank was detected above method MDL for constituent but less than the PQL

U Constituent results were non-detect.

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

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April 11, 2017

Lab ID : SP 1703935-002
Customer ID : 2-25173

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

Sampled On : March 31, 2017-10:15
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:27JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:25JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ub	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:01AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:01AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ub	351.2	203781	04/03/17 09:48	EPA351.2	204818-FI206	04/04/17-08:48AMB
Phosphorus, Total	0.127	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:51SJN

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.

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April 11, 2017

Lab ID : SP 1703935-003
Customer ID : 2-25173

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

Sampled On : March 31, 2017-13:00
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:30JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:27JDD
Nitrogen, Organic	10.8	0.5	0.072	mg/L	1		4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-07:30AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-07:30AMB
Kjeldahl Nitrogen	10.8	0.5	0.32	mg/L	1		351.2	203780	04/03/17 09:21	EPA351.2	204818-FI206	04/04/17-09:05AMB
Phosphorus, Total	0.467	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:52SJN

DQF Flags Definition:

b The Blank was detected above method MDL for constituent but less than the PQL

U Constituent results were non-detect.

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

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April 11, 2017

Lab ID : SP 1703935-004
Customer ID : 2-25173

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

Sampled On : March 31, 2017-09:35
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:32JDD
Nitrite Nitrogen	0.153	0.1	0.011	mg/L	1		4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:29JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-07:32AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-07:32AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	203780	04/03/17 09:21	EPA351.2	204818-FI206	04/04/17-09:06AMB
Phosphorus, Total	1.87	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:53SJN

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.

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April 11, 2017

Lab ID : SP 1703935-005
Customer ID : 2-25173

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

Sampled On : March 31, 2017-12:00
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	1.50	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:34JDD
Nitrite Nitrogen	0.0110	0.1	0.011	mg/L	1	J	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:30JDD
Nitrogen, Organic	1.84	0.5	0.072	mg/L	1	b	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:33AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:33AMB
Kjeldahl Nitrogen	1.84	0.5	0.19	mg/L	1	b	351.2	203781	04/03/17 09:48	EPA351.2	204818-FI206	04/04/17-08:49AMB
Phosphorus, Total	0.577	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:54SJN

DQF Flags Definition:

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

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

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April 11, 2017

Lab ID : SP 1703935-006
Customer ID : 2-25173

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

Sampled On : March 31, 2017-13:40
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	1.50	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:36JDD
Nitrite Nitrogen	0.0150	0.1	0.011	mg/L	1	J	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:32JDD
Nitrogen, Organic	0.457	0.5	0.072	mg/L	1	UJ	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-07:18AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-07:18AMB
Kjeldahl Nitrogen	0.457	0.5	0.32	mg/L	1	J	351.2	203780	04/03/17 09:21	EPA351.2	204818-FI206	04/04/17-09:08AMB
Phosphorus, Total	0.464	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:55SJN

DQF Flags Definition:

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

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

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April 11, 2017

Lab ID : SP 1703935-007
Customer ID : 2-25173

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

Sampled On : March 31, 2017-12:30
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	1.20	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:38JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:34JDD
Nitrogen, Organic	0.511	0.5	0.072	mg/L	1	J	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:59AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:59AMB
Kjeldahl Nitrogen	0.511	0.5	0.32	mg/L	1	J	351.2	203780	04/03/17 09:21	EPA351.2	204818-FI206	04/04/17-09:09AMB
Phosphorus, Total	0.446	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:56SJN

DQF Flags Definition:

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

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

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April 11, 2017

Lab ID : SP 1703935-008
Customer ID : 2-25173

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

Sampled On : March 31, 2017-10:25
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.400	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:51JDD
Nitrite Nitrogen	0.0110	0.1	0.011	mg/L	1	J	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:49JDD
Nitrogen, Organic	1.67	0.5	0.072	mg/L	1		4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:22AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:22AMB
Kjeldahl Nitrogen	1.67	0.5	0.32	mg/L	1		351.2	203780	04/03/17 09:21	EPA351.2	204818-FI206	04/04/17-09:10AMB
Phosphorus, Total	0.394	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:57SJN

DQF Flags Definition:

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

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

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April 11, 2017

Lab ID : SP 1703935-009
Customer ID : 2-25173

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

Sampled On : March 31, 2017-13:10
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.200	0.1	0.032	mg/L	1		4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:53JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:50JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-09:01AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-09:01AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	203780	04/03/17 09:21	EPA351.2	204818-FI206	04/04/17-09:11AMB
Phosphorus, Total	0.104	0.1	0.020	mg/L	1	b	4500-P B	203951	04/05/17 15:58	4500PE	204925-UV205	04/05/17-18:58SJN

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.

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April 11, 2017

Lab ID : SP 1703935-010
Customer ID : 2-25173

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

Sampled On : March 31, 2017-10:40
Sampled By : Rincon Consultants
Received On : March 31, 2017-15:22
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0900	0.1	0.032	mg/L	1	J	4500NO3F	203738	03/31/17 14:00	4500NO3F	204693-FI207	03/31/17-16:55JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	203739	03/31/17 14:00	4500NO3F	204653-FI207	03/31/17-16:52JDD
Nitrogen, Organic	13.6	0.5	0.072	mg/L	1		4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:03AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	203867	04/04/17 03:00	4500NH3G	204868-FI207	04/04/17-08:03AMB
Kjeldahl Nitrogen	13.6	0.5	0.32	mg/L	1		351.2	203780	04/03/17 09:21	EPA351.2	204869-FI206	04/05/17-05:00AMB
Phosphorus, Total	3.50	0.2	0.020	mg/L	2	b	4500-P B	204063	04/07/17 14:49	4500PE	205067-UV205	04/07/17-19:40SJN

DQF Flags Definition:

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

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

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April 11, 2017 Lab ID : SP 1703935
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	04/03/17:203780jmg	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	114 %	73-124	
			MS	mg/L	12.00	110 %	54-136	
		(CH 1772101-005)	MSD	mg/L	12.00	115 %	54-136	
			MSRPD	mg/L	12.00	4.6%	≤27	
	351.2	04/03/17:203781jmg	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	91.7 %	80-120	
			LCS	mg/L	12.00	99.3 %	80-120	
			MS	mg/L	12.00	69.0 %	54-136	
		(SP 1703853-001)	MSD	mg/L	12.00	68.7 %	54-136	
			MSRPD	mg/L	12.00	0.4%	≤25	
		(SP 1703853-001)	Dup	mg/L		0.12	0.5	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	96.2 %	70-130	
		(SP 1703935-006)	MSD	mg/L	2.000	89.6 %	70-130	
			MSRPD	mg/L	2.000	7.4%	≤20	
			MS	mg/L	2.000	106 %	70-130	
		(SP 1703976-001)	MSD	mg/L	2.000	109 %	70-130	
			MSRPD	mg/L	2.000	3.0%	≤20	
	4500NH3G	04/04/17:204868AMB	CCB	mg/L		0.005	0.2	
			CCV	mg/L	2.000	108 %	90-110	
			CCB	mg/L		-0.047	0.2	
			CCV	mg/L	2.000	109 %	90-110	
			CCB	mg/L		-0.001	0.2	
			CCV	mg/L	2.000	109 %	90-110	
			CCB	mg/L		0.019	0.2	
			CCV	mg/L	2.000	108 %	90-110	
			CCB	mg/L		-0.045	0.2	
			CCV	mg/L	2.000	109 %	90-110	
Nitrite as Nitrogen	4500NO2F		MS	mg/L	1.218	91.7 %	50-150	
		(VI 1741096-001)	MSD	mg/L	1.218	91.5 %	50-150	
			MSRPD	mg/L	1.218	0.3%	≤30	
Nitrate + Nitrite as N	4500NO3F		MS	mg/L	11.22	99.4 %	5-285	
		(VI 1741096-001)	MSD	mg/L	11.22	98.3 %	5-285	
			MSRPD	mg/L	11.22	0.7%	≤30.4	
	4500NO3F	03/31/17:204693JDD	CCB	mg/L		0.096	0.1	
			CCV	mg/L	11.22	96.1 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCB	mg/L		0.097	0.1	
			CCV	mg/L	11.22	96.4 %	90-110	
			CCB	mg/L		0.081	0.1	
			CCV	mg/L	11.22	96.6 %	90-110	
Nitrite as Nitrogen	4500NO3F	03/31/17:204653JDD	CCB	mg/L		-0.0010	0.012	
			CCV	mg/L	1.218	94.7 %	90-110	
			CCB	mg/L		-0.00200	0.012	
			CCB	mg/L		-0.00200	0.012	
			CCV	mg/L	1.218	94.2 %	90-110	
			CCB	mg/L		-0.0010	0.012	
			CCV	mg/L	1.218	94.3 %	90-110	
Phosphorus	4500-P B	04/05/17:203951sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	108 %	90-116	
			MS	mg/L	0.2800	36.3 %	25-292	
		(STK1733496-005)	MSD	mg/L	0.2800	29.1 %	25-292	
			MSRPD	mg/L	0.2800	0.020	≤0.1	
	4500-P B	04/07/17:204063sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	108 %	90-116	

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April 11, 2017 Lab ID : SP 1703935
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Phosphorus	4500-P B	(SP 1703813-004)	MS	mg/L	0.2800	85.1 %	25-292	
			MSD	mg/L	0.2800	70.5 %	25-292	
			MSRPD	mg/L	0.2800	1.9%	≤13.2	
Total Phosphorus	4500PE	04/05/17:204925SJN	CCB	mg/L		0.025	0.1	
			CCV	mg/L	0.5000	104 %	90-110	
			CCB	mg/L		0.025	0.1	
			CCV	mg/L	0.5000	103 %	90-110	
			CCB	mg/L		0.028	0.1	
			CCV	mg/L	0.5000	107 %	90-110	
	4500PE	04/07/17:205067SJN	CCB	mg/L		0.019	0.1	
			CCV	mg/L	0.5000	109 %	90-110	
			CCB	mg/L		0.028	0.1	
			CCV	mg/L	0.5000	103 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	04/04/17:204818AMB	CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	108 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	107 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	104 %	90-110	
	EPA351.2	04/05/17:204869AMB	CCB	mg/L		-0.186	0.5	
			CCV	mg/L	5.000	94.5 %	90-110	
			CCB	mg/L		-0.164	0.5	
			CCV	mg/L	5.000	90.5 %	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 analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Quarterly

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Laboratory Copy (1 of 3)

4053:03/06/2017

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

Phone: (760)918-9444ext209 Fax:
Contact Person: Torin Snyder
Project Name: **Malibu WWTP - SW Monitoring**
Purchase Order Number:
Quote Number: **SP 20150526-01**

Sampler(s) Rincon Consultants, Inc.

Sampling Fee: _____ Pickup Fee: _____
Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** 1703135 2-25173

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4
1	N-001	3-31-17	0955	G	SW				1	1,1
2	N-002		1015	G	SW				1	1,1
3	N-003		1300	G	SW				1	1,1
4	N-004		0935	G	SW				1	1,1
5	L-001		1200	G	SW				1	1,1
6	L-002		1340	G	SW				1	1,1
7	L-003		1230	G	SW				1	1,1
8	L-004		1025	G	SW				1	1,1
9	L-005		1310	G	SW				1	1,1
10	L-006		1040	G	SW				1	1,1

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

Remarks:

5°C

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	3-31-17	1522						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
[signature]								

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June 28, 2017

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

SP 1707323:1-10 **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 1707323-001	N-001	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 11:35	06/19/2017 16:49 lm	06/22/2017 lm
2	SP 1707323-002	N-002	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 11:50	06/19/2017 16:51 lm	06/23/2017 lm
3	SP 1707323-003	N-003	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 14:00	06/19/2017 16:53 lm	06/23/2017 lm
4	SP 1707323-004	N-004	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 11:15	06/19/2017 16:55 lm	06/23/2017 lm
5	SP 1707323-005	L-001	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 13:15	06/19/2017 16:57 lm	06/22/2017 lm
6	SP 1707323-006	L-002	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 14:30	06/19/2017 17:01 lm	06/22/2017 lm
7	SP 1707323-007	L-003	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 13:25	06/19/2017 17:03 lm	06/23/2017 lm
8	SP 1707323-008	L-004	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 12:20	06/19/2017 17:05 lm	06/22/2017 lm
9	SP 1707323-009	L-005	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 13:50	06/19/2017 16:47 lmm	06/21/2017 lmm
10	SP 1707323-010	L-006	Source-Other	Peter Shellenberger	Rincon Consultants,	06/19/2017 12:35	06/19/2017 16:49 lmm	06/22/2017 lmm

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	E. Coli	Person Notified ‡	Date ‡ Notified	Time ‡ Notified	Foot Note
1	N-001	---	---	SM 9221B	MPN/100ml	23 PRESENT	7.8 PRESENT	---	N/R			
2	N-002	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
3	N-003	---	---	SM 9221B	MPN/100ml	7.8 PRESENT	<1.8 ABSENT	---	N/R			
4	N-004	---	---	SM 9221B	MPN/100ml	7.8 PRESENT	7.8 PRESENT	---	N/R			
5	L-001	---	---	SM 9221B	MPN/100ml	350 PRESENT	49 PRESENT	---	N/R			
6	L-002	---	---	SM 9221B	MPN/100ml	540 PRESENT	33 PRESENT	---	N/R			
7	L-003	---	---	SM 9221B	MPN/100ml	220 PRESENT	17 PRESENT	---	N/R			
8	L-004	---	---	SM 9221B	MPN/100ml	540 PRESENT	350 PRESENT	---	N/R			
9	L-005	---	---	SM 9221B	MPN/100ml	240 PRESENT	240 PRESENT	---	N/R			
10	L-006	---	---	SM 9221B	MPN/100ml	33 PRESENT	7.8 PRESENT	---	N/R			

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

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June 28, 2017

SP 1707323:1-10 **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-001 Total Coliform - Failure, Fecal Coliform - Failure.
N-003 Total Coliform - Failure.
N-004 Total Coliform - Failure, Fecal 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

July 3, 2017

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

Lab ID : SP 1707323
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	06/19/2017	06/19/2017	SP 1707323-001	SW
N-002	06/19/2017	06/19/2017	SP 1707323-002	SW
N-003	06/19/2017	06/19/2017	SP 1707323-003	SW
N-004	06/19/2017	06/19/2017	SP 1707323-004	SW
L-001	06/19/2017	06/19/2017	SP 1707323-005	SW
L-002	06/19/2017	06/19/2017	SP 1707323-006	SW
L-003	06/19/2017	06/19/2017	SP 1707323-007	SW
L-004	06/19/2017	06/19/2017	SP 1707323-008	SW
L-005	06/19/2017	06/19/2017	SP 1707323-009	SW
L-006	06/19/2017	06/19/2017	SP 1707323-010	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	06/29/2017:207699 All preparation quality controls are within established criteria
4500NH3G	06/21/2017:209106 All analysis quality controls are within established criteria
	06/21/2017:207295 All preparation quality controls are within established criteria
4500NO2F	06/20/2017:207165 All preparation quality controls are within established criteria

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July 3, 2017 Lab ID : SP 1707323
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Wet Chemistry QC

4500NO3F	06/20/2017:209068 All analysis quality controls are within established criteria
	06/20/2017:209086 All analysis quality controls are within established criteria
	06/20/2017:207276 All preparation quality controls are within established criteria
4500-P B	06/27/2017:207601 All preparation quality controls are within established criteria
4500PE	06/28/2017:209464 All analysis quality controls are within established criteria
EPA351.2	07/03/2017:209743 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: 2017-07-05

July 3, 2017

Lab ID : SP 1707323-001
Customer ID : 2-25173

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

Sampled On : June 19, 2017-11:35
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0400	0.1	0.032	mg/L	1	J	4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-13:45JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-13:43JDD
Nitrogen, Organic	0.519	0.5	0.072	mg/L	1	J	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:23AMB
Ammonia Nitrogen	0.0770	0.2	0.072	mg/L	1	J	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:23AMB
Kjeldahl Nitrogen	0.596	0.5	0.32	mg/L	1	J	351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:08AMB
Phosphorus, Total	2.06	0.2	0.020	mg/L	2		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:38SJN

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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July 3, 2017

Lab ID : SP 1707323-002
Customer ID : 2-25173

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

Sampled On : June 19, 2017-11:50
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-13:47JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-13:45JDD
Nitrogen, Organic	2.25	0.5	0.072	mg/L	1		4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:46AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:46AMB
Kjeldahl Nitrogen	2.25	0.5	0.32	mg/L	1		351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:09AMB
Phosphorus, Total	2.03	0.1	0.020	mg/L	1		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:39SJN

DQF Flags Definition:
U Constituent results were non-detect.

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

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July 3, 2017

Lab ID : SP 1707323-003
Customer ID : 2-25173

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

Sampled On : June 19, 2017-14:00
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-13:49JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-13:47JDD
Nitrogen, Organic	0.378	0.5	0.072	mg/L	1	UJ	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:49AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:49AMB
Kjeldahl Nitrogen	0.378	0.5	0.32	mg/L	1	J	351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:11AMB
Phosphorus, Total	0.474	0.1	0.020	mg/L	1		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:40SJN

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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July 3, 2017

Lab ID : SP 1707323-004
Customer ID : 2-25173

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

Sampled On : June 19, 2017-11:15
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-13:52JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-13:49JDD
Nitrogen, Organic	0.647	0.5	0.072	mg/L	1	J	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:44AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:44AMB
Kjeldahl Nitrogen	0.647	0.5	0.32	mg/L	1	J	351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:12AMB
Phosphorus, Total	1.24	0.1	0.020	mg/L	1		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:43SJN

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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July 3, 2017

Lab ID : SP 1707323-005
Customer ID : 2-25173

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

Sampled On : June 19, 2017-13:15
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.600	0.1	0.032	mg/L	1		4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-13:54JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-13:51JDD
Nitrogen, Organic	0.617	0.5	0.072	mg/L	1	J	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:39AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-06:39AMB
Kjeldahl Nitrogen	0.617	0.5	0.32	mg/L	1	J	351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:13AMB
Phosphorus, Total	0.387	0.1	0.020	mg/L	1		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:44SJN

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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July 3, 2017

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

Lab ID : SP 1707323-006
Customer ID : 2-25173

Sampled On : June 19, 2017-14:30
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.200	0.1	0.032	mg/L	1		4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-13:56JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-13:53JDD
Nitrogen, Organic	0.475	0.5	0.072	mg/L	1	J	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:48AMB
Ammonia Nitrogen	0.129	0.2	0.072	mg/L	1	J	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:48AMB
Kjeldahl Nitrogen	0.604	0.5	0.32	mg/L	1	J	351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:16AMB
Phosphorus, Total	0.459	0.1	0.020	mg/L	1		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:45SJN

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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July 3, 2017

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

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

Lab ID : SP 1707323-007
Customer ID : 2-25173

Sampled On : June 19, 2017-13:25
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-14:09JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-14:07JDD
Nitrogen, Organic	0.714	0.5	0.072	mg/L	1	J	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:34AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:34AMB
Kjeldahl Nitrogen	0.714	0.5	0.32	mg/L	1	J	351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:17AMB
Phosphorus, Total	1.69	0.1	0.020	mg/L	1		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:46SJN

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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July 3, 2017

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

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

Lab ID : SP 1707323-008
Customer ID : 2-25173

Sampled On : June 19, 2017-12:20
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-14:11JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-14:08JDD
Nitrogen, Organic	1.06	0.5	0.072	mg/L	1		4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:39AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:39AMB
Kjeldahl Nitrogen	1.06	0.5	0.32	mg/L	1		351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:18AMB
Phosphorus, Total	0.477	0.1	0.020	mg/L	1		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:47SJN

DQF Flags Definition:
U Constituent results were non-detect.

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

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July 3, 2017

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

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

Lab ID : SP 1707323-009
Customer ID : 2-25173

Sampled On : June 19, 2017-13:50
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-14:13JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-14:10JDD
Nitrogen, Organic	0.976	0.5	0.072	mg/L	1	J	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:32AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:32AMB
Kjeldahl Nitrogen	0.976	0.5	0.32	mg/L	1	J	351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:19AMB
Phosphorus, Total	0.902	0.1	0.020	mg/L	1		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:48SJN

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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July 3, 2017

Lab ID : SP 1707323-010
Customer ID : 2-25173

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

Sampled On : June 19, 2017-12:35
Sampled By : Peter Shellenberger
Received On : June 19, 2017-16:30
Matrix : Surface Water

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

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	U	4500NO3F	207276	06/20/17 12:00	4500NO3F	209086-FI207	06/20/17-14:15JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	207165	06/20/17 12:00	4500NO3F	209068-FI207	06/20/17-14:13JDD
Nitrogen, Organic	1.12	0.5	0.072	mg/L	1		4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:41AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	207295	06/21/17 03:00	4500NH3G	209106-FI207	06/21/17-05:41AMB
Kjeldahl Nitrogen	1.12	0.5	0.32	mg/L	1		351.2	207699	06/29/17 06:14	EPA351.2	209743-FI206	07/03/17-04:21AMB
Phosphorus, Total	0.714	0.2	0.020	mg/L	2		4500-P B	207601	06/27/17 14:35	4500PE	209464-UV205	06/28/17-16:49SJN

DQF Flags Definition:
U Constituent results were non-detect.

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

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July 3, 2017 Lab ID : SP 1707323
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	06/29/17:207699jmg	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	81.6 %	73-124	
			MS	mg/L	12.00	78.2 %	54-136	
		(VI 1742753-003)	MSD	mg/L	12.00	80.3 %	54-136	
			MSRPD	mg/L	12.00	2.6%	≤27	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	124 %	70-130	
		(SP 1707302-001)	MSD	mg/L	2.000	128 %	70-130	
			MSRPD	mg/L	2.000	2.6%	≤20	
			MS	mg/L	2.000	84.4 %	70-130	
		(SP 1707304-001)	MSD	mg/L	2.000	89.6 %	70-130	
			MSRPD	mg/L	2.000	0.9%	≤20	
	4500NH3G	06/21/17:209106AMB	CCB	mg/L		-0.157	0.2	
			CCV	mg/L	2.000	106 %	90-110	
			CCB	mg/L		-0.023	0.2	
			CCV	mg/L	2.000	99.9 %	90-110	
			CCB	mg/L		-0.044	0.2	
			CCV	mg/L	2.000	106 %	90-110	
			CCB	mg/L		0.013	0.2	
			CCV	mg/L	2.000	106 %	90-110	
Nitrite as Nitrogen	4500NO2F		MS	mg/L	1.218	97.7 %	50-150	
		(SP 1707323-001)	MSD	mg/L	1.218	95.9 %	50-150	
			MSRPD	mg/L	1.218	1.9%	≤30	
Nitrate + Nitrite as N	4500NO3F		MS	mg/L	28.04	37.7 %	5-285	
		(SP 1707323-001)	MSD	mg/L	28.04	36.7 %	5-285	
			MSRPD	mg/L	28.04	2.6%	≤30.4	
	4500NO3F	06/20/17:209086JDD	CCB	mg/L		0.013	0.1	
			CCV	mg/L	11.22	100 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCB	mg/L		0.001	0.1	
			CCV	mg/L	11.22	99.4 %	90-110	
			CCB	mg/L		0.024	0.1	
			CCV	mg/L	11.22	100 %	90-110	
Nitrite as Nitrogen	4500NO3F	06/20/17:209068JDD	CCB	mg/L		0.00300	0.012	
			CCV	mg/L	1.218	103 %	90-110	
			CCB	mg/L		0.00200	0.012	
			CCB	mg/L		0.00200	0.012	
			CCV	mg/L	1.218	103 %	90-110	
			CCB	mg/L		0.00200	0.012	
			CCV	mg/L	1.218	103 %	90-110	
Phosphorus	4500-P B	06/27/17:207601sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	97.4 %	90-116	
			MS	mg/L	0.2800	21.8 %	<¼	
		(SP 1707323-001)	MSD	mg/L	0.2800	72.8 %	25-292	
			MSRPD	mg/L	0.2800	6.5%	≤13.2	
Total Phosphorus	4500PE	06/28/17:209464SJN	CCB	mg/L		-0.01	0.1	
			CCV	mg/L	0.5000	98.9 %	90-110	
			CCB	mg/L		-0.01	0.1	
			CCV	mg/L	0.5000	93.3 %	90-110	
			CCB	mg/L		-0.015	0.1	
			CCV	mg/L	0.5000	95.3 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	07/03/17:209743AMB	ICB	mg/L		-0.008	0.5	
			ICV	mg/L	5.000	97.3 %	90-110	
			CCB	mg/L		-0.028	0.5	
			CCV	mg/L	5.000	94.3 %	90-110	
			CCB	mg/L		-0.052	0.5	

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July 3, 2017 Lab ID : SP 1707323
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	EPA351.2	07/03/17:209743AMB	CCV	mg/L	5.000	93.4 %	90-110	

Definition

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

September 8, 2017

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

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

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

Sample Handling Information

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

Analytical Results

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

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

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

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

RPH:SMH

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September 15, 2017

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

Lab ID : SP 1710513
Customer : 2-25173

Laboratory Report

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

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

Case Narrative

This Case Narrative pertains to the following samples:

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

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

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

Inorganic - Wet Chemistry QC

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

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

Inorganic - Wet Chemistry QC

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

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

KD:DMB

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

September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

U Constituent results were non-detect.

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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September 15, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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

Quality Control - Inorganic

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

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

Quality Control - Inorganic

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

Definition

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

Explanation

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

September 21, 2017

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

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

System Number :
Project Name : Malibu WWTP - Baseline GWM

Sample Handling Information

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

Analytical Results

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

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

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

RRH:SMH

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

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October 11, 2017

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

Lab ID : SP 1711091
Customer : 2-25173

Laboratory Report

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

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

Case Narrative

This Case Narrative pertains to the following samples:

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

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

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

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

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

Inorganic - Metals QC

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

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

Inorganic - Metals QC

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

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

Organic QC

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

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

Organic QC

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

October 11, 2017 Lab ID : SP 1711091
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Organic QC

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

Radio QC

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

Radio QC

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

Inorganic - Wet Chemistry QC

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

Inorganic - Wet Chemistry QC

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

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

Inorganic - Wet Chemistry QC

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

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

KD:DMB

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

October 11, 2017

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

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

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

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

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

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Sample Result - Organic

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

Sample Result - Organic

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

DQF Flags Definition:

U Constituent results were non-detect.

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

October 11, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
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Ventura, CA 93003

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

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

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

Sample Result - Inorganic

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

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Sample Result - Inorganic

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

October 11, 2017

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

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

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

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

Sample Result - Organic

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

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Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

DQF Flags Definition:

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

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

October 11, 2017

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

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

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

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

Sample Result - Radio

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

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

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

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

Drinking Water Compliance:

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
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Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

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

October 11, 2017

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

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

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

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

Sample Result - Inorganic

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

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CA ELAP Certification No. 2810

Sample Result - Inorganic

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

October 11, 2017

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

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

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

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

Sample Result - Organic

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

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Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

DQF Flags Definition:

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

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

October 11, 2017

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

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

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

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

Sample Result - Radio

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

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

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

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

Drinking Water Compliance:

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
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Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
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Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

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

October 11, 2017

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

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

Sampled On : September 12, 2017-09:00
Sampled By : Matt P./Ryan S
Received On : September 12, 2017-16:30
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												
Total Hardness as CaCO3	326	2.5	0.13	mg/L	1	l	200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Calcium	72.9	1	0.13	mg/L	1		200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Magnesium	35.1	1	0.0081	mg/L	1	l	200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Potassium	6.09	1	0.037	mg/L	1		200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Sodium	100	1	0.17	mg/L	1		200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Total Cations	11.0	0.1	0.13	meq/L	1	l	200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Boron	0.325	0.05	0.00089	mg/L	1	U	200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Copper	17.4	10	1.1	ug/L	1		200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Iron	12000	50	2.3	ug/L	1	l	200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Manganese	208	10	0.13	ug/L	1		200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Zinc	62.8	20	3.2	ug/L	1		200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
SAR	2.41	0.1	0.13	--	1	l	200.7	211206	10/10/17 03:00	200.7	215360-IT203	10/11/17-11:59AC
Total Alkalinity (as CaCO3)	169	10	1.1	mg/L	1		2320B	210967	09/13/17 03:00	2320B	213806-MT201	09/13/17-13:23AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	210967	09/13/17 03:00	2320B	213806-MT201	09/13/17-13:23AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	210967	09/13/17 03:00	2320B	213806-MT201	09/13/17-13:23AMB
Bicarbonate as HCO3	206	10	1.1	mg/L	1.000		2320B	210967	09/13/17 03:00	2320B	213806-MT201	09/13/17-13:23AMB
Sulfate	98.6	1	0.015	mg/L	1	b	300.0	210989	09/12/17 18:30	300.0	213765-IC210	09/13/17-01:42MCA
Chloride	117	2	0.0045	mg/L	2		300.0	210989	09/12/17 18:30	300.0	213765-IC210	09/13/17-09:08MCA
Nitrate as NO3	72.8	0.4	0.0032	mg/L	1		300.0	210989	09/12/17 18:30	300.0	213765-IC210	09/13/17-01:42MCA
Nitrite as N	ND	0.1	0.0010	mg/L	1	U	300.0	210989	09/12/17 18:30	300.0	213765-IC210	09/13/17-01:42MCA

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

Sample Result - Inorganic

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

October 11, 2017

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

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

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

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

Sample Result - Organic

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

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Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

Sample Result - Organic

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

DQF Flags Definition:

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

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

October 11, 2017

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

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

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

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

Sample Result - Radio

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

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

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

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

Drinking Water Compliance:

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

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

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

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

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

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

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

October 11, 2017

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

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

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

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

Sample Result - Inorganic

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

DQF Flags Definition:

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

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

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

Quality Control - Organic

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

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

Quality Control - Organic

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

Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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

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Quality Control - Organic

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

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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

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

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

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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Quality Control - Organic

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

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

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

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

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

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

Definition

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

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Quality Control - Organic

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

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

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Quality Control - Inorganic

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

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Quality Control - Inorganic

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

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Quality Control - Inorganic

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

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Quality Control - Inorganic

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

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Quality Control - Inorganic

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

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Quality Control - Inorganic

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

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

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

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

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

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

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

Quality Control - Inorganic

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

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

Quality Control - Inorganic

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

Definition

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

Explanation

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

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

Quality Control - Radio

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

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

Quality Control - Radio

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

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

September 22, 2017

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

Subject: Subcontract Analysis for FGL Lab No. SP 1711091

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

- Sub Contracted-EPA 547

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

Thank you for using FGL Environmental.

Sincerely,

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

Enclosure

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

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

Report Date: 21-Sep-2017

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

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

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

Lab Sample #	Client Sample ID	Matrix	Date Sampled	By	Date Submitted	By
B7I1282-01	SMBRP-9 Grab	Water	09/12/17 11:50	Matt P./Ryan S	09/14/17 13:25	Courier (GSO)
B7I1282-02	MCWP-MW07S Grab	Water	09/12/17 10:12	Matt P./Ryan S	09/14/17 13:25	Courier (GSO)
B7I1282-03	LAMW-5S Grab	Water	09/12/17 9:00	Matt P./Ryan S	09/14/17 13:25	Courier (GSO)

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

Report Date: 21-Sep-2017

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

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

Laboratory Reference Number
B7I1282-01

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

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

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

Report Date: 21-Sep-2017

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

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

Laboratory Reference Number
B7I1282-02

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

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

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

Report Date: 21-Sep-2017

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

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

Laboratory Reference Number
B7I1282-03

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

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

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EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

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

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

Report Date: 21-Sep-2017

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

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

Glyphosate by EPA 547 - Batch Quality Control

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

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

Report Date: 21-Sep-2017

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

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

Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit **(if MDL is reported)**, otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted.

Nancy H. Boulineau For Cindy A. Waddell

cc:

e-Standard_No Alias.rpt

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

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

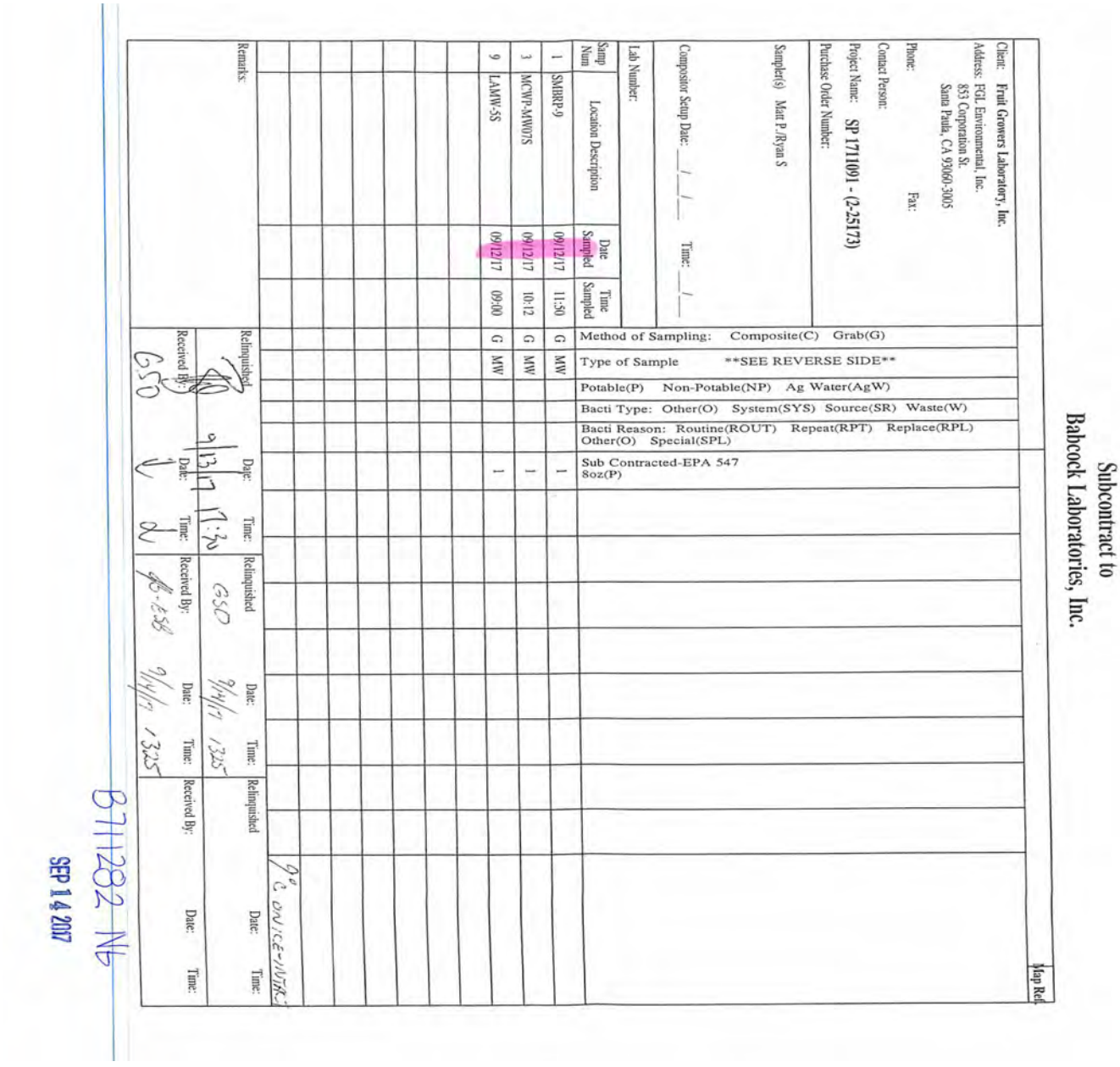
BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

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

Report Date: 21-Sep-2017

Analytical Report: Page 7 of 7
Project Name: FGL - 547 Glyphosate
Project Number: SP 1711091 - (2-25173)

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



Subcontract to
Babcock Laboratories, Inc.

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

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

Remarks:

Relinquished: Date: 9/13/17 Time: 17:30
Received By: GSO Date: 9/14/17 Time: 0800

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

Relinquished: Date: Time:
Received By: Date: Time:

2° Cooler-Ice-Wet

B7I1282 NB

SEP 14 2017

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

location
6100 Quail Valley Court
Riverside, CA 92507-0704

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

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

September 25, 2017

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

Subject: Subcontract Analysis for FGL Lab No. SP 1711091

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

- Sub Inorganic-Bromate,Chlorite, Low-Level

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

Thank you for using FGL Environmental.

Sincerely,

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

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

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

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

Attn: Mrs. Cindy Aguirre

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

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

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Sample Summary

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

TestAmerica Job ID: 440-192231-1

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

Job ID: 440-192231-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-192231-1

Comments
No additional comments.

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

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

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

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

Client Sample ID: SMBRP-9

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

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

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

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

Client Sample ID: MCWP-MW07S

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		25	13	ug/L			09/15/17 14:36	5
Chlorite	ND		20	10	ug/L			09/15/17 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*99*		*90 - 115*		*09/15/17 21:51*	*1*
Dichloroacetic acid(Surr)	*102*		*90 - 115*		*09/15/17 14:36*	*5*

Client Sample ID: LAMW-5S

Lab Sample ID: 440-192231-3
Date Collected: 09/12/17 09:00
Matrix: Water
Date Received: 09/14/17 08:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		25	13	ug/L			09/15/17 15:12	5
Chlorite	ND		20	10	ug/L			09/15/17 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*100*		*90 - 115*		*09/15/17 22:27*	*1*
Dichloroacetic acid(Surr)	*101*		*90 - 115*		*09/15/17 15:12*	*5*

Method Summary

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

TestAmerica Job ID: 440-192231-1

Method	Method Description	Protocol	Laboratory
300.1B	Disinfection By-Products, (IC)	EPA	TAL IRV

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

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

TestAmerica Job ID: 440-192231-1

Client Sample ID: SMBRP-9

Lab Sample ID: 440-192231-1

Date Collected: 09/12/17 11:50

Matrix: Water

Date Received: 09/14/17 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.1B		5			429114	09/15/17 13:59	YZ	TAL IRV
Total/NA	Analysis	300.1B		5			429115	09/15/17 13:59	YZ	TAL IRV

Client Sample ID: MCWP-MW07S

Lab Sample ID: 440-192231-2

Date Collected: 09/12/17 10:12

Matrix: Water

Date Received: 09/14/17 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.1B		5			429114	09/15/17 14:36	YZ	TAL IRV
Total/NA	Analysis	300.1B		1			429115	09/15/17 21:51	YZ	TAL IRV

Client Sample ID: LAMW-5S

Lab Sample ID: 440-192231-3

Date Collected: 09/12/17 09:00

Matrix: Water

Date Received: 09/14/17 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.1B		5			429114	09/15/17 15:12	YZ	TAL IRV
Total/NA	Analysis	300.1B		1			429115	09/15/17 22:27	YZ	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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

Lab Sample ID: MB 440-429114/5
Matrix: Water
Analysis Batch: 429114

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		5.0	2.5	ug/L			09/15/17 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*103*		*90 - 115*		*09/15/17 12:11*	*1*

Lab Sample ID: LCS 440-429114/4
Matrix: Water
Analysis Batch: 429114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate			25.0	29.3		ug/L		117	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*102*		*90 - 115*

Lab Sample ID: MRL 440-429114/3
Matrix: Water
Analysis Batch: 429114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate			5.00	5.45		ug/L		109	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*104*		*90 - 115*

Lab Sample ID: 440-192078-A-1 MS
Matrix: Water
Analysis Batch: 429114

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate	ND	F1	50.0	67.3	F1	ug/L		135	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*100*		*90 - 115*

Lab Sample ID: 440-192078-A-1 MSD
Matrix: Water
Analysis Batch: 429114

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromate	ND	F1	50.0	64.2	F1	ug/L		128	75 - 125	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*101*		*90 - 115*

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

Lab Sample ID: MB 440-429115/5
Matrix: Water
Analysis Batch: 429115

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorite	ND		20	10	ug/L			09/15/17 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*103*		*90 - 115*		*09/15/17 12:11*	*1*

Lab Sample ID: LCS 440-429115/4
Matrix: Water
Analysis Batch: 429115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite			100	114		ug/L		114	85 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*102*		*90 - 115*

Lab Sample ID: MRL 440-429115/3
Matrix: Water
Analysis Batch: 429115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite			20.0	21.0		ug/L		105	10 - 200		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*104*		*90 - 115*

Lab Sample ID: 440-192078-A-1 MS
Matrix: Water
Analysis Batch: 429115

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite	52		200	289		ug/L		119	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*100*		*90 - 115*

Lab Sample ID: 440-192078-A-1 MSD
Matrix: Water
Analysis Batch: 429115

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorite	52		200	288		ug/L		118	75 - 125	0	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*101*		*90 - 115*

QC Association Summary

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

TestAmerica Job ID: 440-192231-1

HPLC/IC

Analysis Batch: 429114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-192231-1	SMBRP-9	Total/NA	Water	300.1B	
440-192231-2	MCWP-MW07S	Total/NA	Water	300.1B	
440-192231-3	LAMW-5S	Total/NA	Water	300.1B	
MB 440-429114/5	Method Blank	Total/NA	Water	300.1B	
LCS 440-429114/4	Lab Control Sample	Total/NA	Water	300.1B	
MRL 440-429114/3	Lab Control Sample	Total/NA	Water	300.1B	
440-192078-A-1 MS	Matrix Spike	Total/NA	Water	300.1B	
440-192078-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.1B	

Analysis Batch: 429115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-192231-1	SMBRP-9	Total/NA	Water	300.1B	
440-192231-2	MCWP-MW07S	Total/NA	Water	300.1B	
440-192231-3	LAMW-5S	Total/NA	Water	300.1B	
MB 440-429115/5	Method Blank	Total/NA	Water	300.1B	
LCS 440-429115/4	Lab Control Sample	Total/NA	Water	300.1B	
MRL 440-429115/3	Lab Control Sample	Total/NA	Water	300.1B	
440-192078-A-1 MS	Matrix Spike	Total/NA	Water	300.1B	
440-192078-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.1B	

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

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

TestAmerica Job ID: 440-192231-1

Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-18
Arizona	State Program	9	AZ0671	10-14-17 *
California	LA Cty Sanitation Districts	9	10256	06-30-18
California	State Program	9	CA ELAP 2706	06-30-18
Guam	State Program	9	Cert. No. 17-003R	01-23-18
Hawaii	State Program	9	N/A	01-29-18
Kansas	NELAP Secondary AB	7	E-10420	07-31-17 *
Nevada	State Program	9	CA015312018-1	07-31-18
New Mexico	State Program	6	N/A	01-29-18 *
Northern Mariana Islands	State Program	9	MP0002	01-29-17 *
Oregon	NELAP	10	4028	01-29-18
USDA	Federal		P330-15-00184	07-08-18
Washington	State Program	10	C900	09-03-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Subcontract to
Test America - Irvine

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

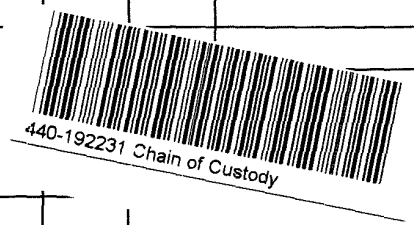
Purchase Order Number:

Sampler(s) Matt P./Ryan S

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

Lab Number:

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



Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/13/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO			[signature]	9/14/17 AS	8:40			

VG 9/14

TRK-537597358

2.9°/3.2

NOCS

Page 13 of 14

9/25/2017

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 440-192231-1

Login Number: 192231
List Number: 1
Creator: Garcia, Veronica G

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

September 28, 2017

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

Subject: Subcontract Analysis for FGL Lab No. SP 1711091

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

- Subcontracted - Asbestos

Please note that this analysis was performed by LA Testing

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-28

Enclosure

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321721777
Customer ID: FGLE25
Customer PO:
Project ID:

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

Phone: (805) 392-2024
Fax:
Collected: 09/12/2017
Received: 09/13/2017
Analyzed: 09/27/2017

Proj: SP1711091- (2-25173)

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
1 321721777-0001	9/4/2017 08:25 AM	1	1288	0.2560	None Detected	ND	5.00	<5.00	0.00 - 19.00
3 321721777-0002	9/14/2017 08:25 AM	5	1288	0.2560	None Detected	ND	1.00	<1.00	0.00 - 3.70
9 321721777-0003	9/14/2017 08:25 AM	1	1288	0.2560	None Detected	ND	5.00	<5.00	0.00 - 19.00

MDL for TEM EPA 100.2 Method (EPA 600/R-94/134) is 0.2 MFL.

Analyst(s)
Sherrie Ahmad (3)

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

Any questions please contact Jerry Drapala.

Initial report from: 09/27/2017 16:06:14

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

Subcontract to LA Testing

#321721777

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S

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

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)	Map Ref.
1	SMBRP-9	09/12/17	11:50	G	MW				1	
3	MCWP-MW07S	09/12/17	10:12	G	MW				1	
9	LAMW-5S	09/12/17	09:00	G	MW				1	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/12/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
Outrac				9/13/17	1700			

6°C

OrderID: 321721777

September 29, 2017

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

Subject: Subcontract Analysis for FGL Lab No. SP 1711091

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

- Sub Contracted-Strontium 90 by EPA 905.0 W/7-Day In-Growth

Please note that this analysis was performed by Test America- St. Louis Missouri

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-29

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-24511-1
Client Project/Site: SP 1711091-(2-25173)

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

Attn: Mrs. Cindy Aguirre

Rhonda Ridenhower

Authorized for release by:
9/29/2017 12:26:08 PM

Rhonda Ridenhower, Manager of Project Management
(314)298-8566
rhonda.ridenhower@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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Job ID: 160-24511-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: FGL Environmental

Project: SP 1711091-(2-25173)

Report Number: 160-24511-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/15/2017; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 18.0º C and 18.0º C.

STRONTIUM-90 (GFPC)

Samples SMBRP-9 (160-24511-1), MCWP-MW07S (160-24511-2) and LAMW- 5S (160-24511-3) were analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 09/19/2017 and analyzed on 09/27/2017.

Insufficient sample volume was available to perform a sample duplicate (DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.
SMBRP-9 (160-24511-1), MCWP-MW07S (160-24511-2) and LAMW- 5S (160-24511-3)

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

Job ID: 160-24511-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

Subcontract to
Test America- St. Louis Missouri

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S

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

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Strontium 90 by EPA 905.0	W/7-Day In-Growth 8oz(P)								
1	SMBRP-9	09/12/17	11:50	G	MW				1									
3	MCWP-MW07S	09/12/17	10:12	G	MW				1									
9	LAMW-5S	09/12/17	09:00	G	MW				1									

160-24511 Chain of Custody

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/14/17	17:30	~~UPS~~ Kurt 9/15/17					
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
UPS			[signature]	9/15/17	0900			

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 160-24511-1

Login Number: 24511
List Number: 1
Creator: Taylor, Kristene N

List Source: TestAmerica St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

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

TestAmerica Job ID: 160-24511-1

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

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

TestAmerica Job ID: 160-24511-1

Method	Method Description	Protocol	Laboratory
905	Strontium-90 (GFPC)	EPA	TAL SL

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

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

TestAmerica Job ID: 160-24511-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-24511-1	SMBRP-9	Water	09/12/17 11:50	09/15/17 09:00
160-24511-2	MCWP-MW07S	Water	09/12/17 10:12	09/15/17 09:00
160-24511-3	LAMW- 5S	Water	09/12/17 09:00	09/15/17 09:00

Client Sample ID: SMBRP-9

Lab Sample ID: 160-24511-1
Date Collected: 09/12/17 11:50
Matrix: Water
Date Received: 09/15/17 09:00

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	-0.0587	U	0.201	0.201	3.00	0.370	pCi/L	09/19/17 10:00	09/27/17 18:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*88.8*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:11*	*1*
Y Carrier	*99.8*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:11*	*1*

Client Sample ID: MCWP-MW07S

Lab Sample ID: 160-24511-2
Date Collected: 09/12/17 10:12
Matrix: Water
Date Received: 09/15/17 09:00

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.154	U	0.682	0.682	3.00	1.20	pCi/L	09/19/17 10:00	09/27/17 18:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*74.2*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:12*	*1*
Y Carrier	*102*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:12*	*1*

Client Sample ID: LAMW- 5S

Lab Sample ID: 160-24511-3
Date Collected: 09/12/17 09:00
Matrix: Water
Date Received: 09/15/17 09:00

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.132	U	0.418	0.419	3.00	0.730	pCi/L	09/19/17 10:00	09/27/17 18:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*64.1*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:12*	*1*
Y Carrier	*97.6*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:12*	*1*

Method: 905 - Strontium-90 (GFPC)

Lab Sample ID: MB 160-327874/1-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 327874

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	-0.1239	U	0.233	0.233	3.00	0.435	pCi/L	09/19/17 10:00	09/27/17 18:10	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*82.4*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:10*	*1*
Y Carrier	*99.4*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:10*	*1*

Lab Sample ID: LCS 160-327874/2-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327874

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Strontium-90			11.2	10.01		1.04	3.00	0.307	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Sr Carrier	*91.1*		*40 - 110*
Y Carrier	*102*		*40 - 110*

Lab Sample ID: LCSD 160-327874/3-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 327874

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Strontium-90			11.2	10.21		1.07	3.00	0.359	pCi/L	91	75 - 125	0.09	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Sr Carrier	*89.9*		*40 - 110*
Y Carrier	*97.9*		*40 - 110*

QC Association Summary

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

TestAmerica Job ID: 160-24511-1

Rad

Prep Batch: 327874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-24511-1	SMBRP-9	Total/NA	Water	PrecSep-7	
160-24511-2	MCWP-MW07S	Total/NA	Water	PrecSep-7	
160-24511-3	LAMW- 5S	Total/NA	Water	PrecSep-7	
MB 160-327874/1-A	Method Blank	Total/NA	Water	PrecSep-7	
LCS 160-327874/2-A	Lab Control Sample	Total/NA	Water	PrecSep-7	
LCSD 160-327874/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-7	

Tracer/Carrier Summary

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

TestAmerica Job ID: 160-24511-1

Method: 905 - Strontium-90 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Sr (C) (40-110)	Y (40-110)
160-24511-1	SMBRP-9	88.8	99.8
160-24511-2	MCWP-MW07S	74.2	102
160-24511-3	LAMW- 5S	64.1	97.6
LCS 160-327874/2-A	Lab Control Sample	91.1	102
LCSD 160-327874/3-A	Lab Control Sample Dup	89.9	97.9
MB 160-327874/1-A	Method Blank	82.4	99.4

Tracer/Carrier Legend

Sr (C) = Sr Carrier
Y = Y Carrier

October 4, 2017

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

Subject: Subcontract Analysis for FGL Lab No. SP 1711091

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

- Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-04

Enclosure

October 04, 2017

Vista Work Order No. 1701249

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 14, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1711091-(2-25173)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1701249
Case Narrative

Sample Condition on Receipt:

Three monitoring well samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1613B

These samples were extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613B using a ZB-5MS GC column.

Holding Times

These samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701249-01	SMBRP-9	12-Sep-17 11:50	14-Sep-17 10:24	Amber Glass NM Bottle, 1L
1701249-02	MCWP-MW07S	12-Sep-17 10:12	14-Sep-17 10:24	Amber Glass NM Bottle, 1L
1701249-03	LAMW-5S	12-Sep-17 09:00	14-Sep-17 10:24	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank — **EPA Method 1613B**

Matrix:	Aqueous	QC Batch:	B7I0161	Lab Sample:	B7I0161-BLK1
Sample Size:	1.00 L	Date Extracted:	29-Sep-2017 10:00	Date Analyzed :	03-Oct-17 17:18 Column: ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	5.00	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	88.7	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	100	42 - 164	

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

Sample ID:	**OPR**				**EPA Method 1613B**
Matrix:	Aqueous	QC Batch:	B7I0161	Lab Sample:	B7I0161-BS1
Sample Size:	1.00 L	Date Extracted:	29-Sep-2017 10:00	Date Analyzed:	03-Oct-17 15:41 Column: ZB-5MS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits
2,3,7,8-TCDD	191	200	95.4	73 - 146

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	95.5	25 - 141
CRS	37Cl-2,3,7,8-TCDD	111	37 - 158

LCL-UCL - Lower control limit - upper control limit

Sample ID: SMBRP-9 **EPA Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	FGL Environmental, Inc.	Matrix:	Monitoring Well	Lab Sample:	1701249-01	Date Received:	14-Sep-2017 10:24
Project:	SP 1711091-(2-25173)	Sample Size:	1.03 L	QC Batch:	B7I0161	Date Extracted:	29-Sep-2017 10:00
Date Collected:	12-Sep-2017 11:50			Date Analyzed :	03-Oct-17 21:21	Column:	ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	4.84	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	84.5	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	99.5	42 - 164	

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

Sample ID: MCWP-MW07S

EPA Method 1613B

Client Data

Name: FGL Environmental, Inc.
Project: SP 1711091-(2-25173)
Date Collected: 12-Sep-2017 10:12

Sample Data

Matrix: Monitoring Well
Sample Size: 1.04 L

Laboratory Data

Lab Sample: 1701249-02 Date Received: 14-Sep-2017 10:24
QC Batch: B7I0161 Date Extracted: 29-Sep-2017 10:00
Date Analyzed : 03-Oct-17 22:09 Column: ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	4.81	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	85.8	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	106	42 - 164	

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

Sample ID: LAMW-5S **EPA Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	FGL Environmental, Inc.	Matrix:	Monitoring Well	Lab Sample:	1701249-03	Date Received:	14-Sep-2017 10:24
Project:	SP 1711091-(2-25173)	Sample Size:	1.02 L	QC Batch:	B7I0161	Date Extracted:	29-Sep-2017 10:00
Date Collected:	12-Sep-2017 9:00			Date Analyzed :	03-Oct-17 22:58	Column:	ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	4.88	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	79.2	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	105	42 - 164	

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	**This compound was also detected in the method blank.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Reporting Limit/LOQ.**
M	**Estimated Maximum Possible Concentration. (CA Region 2 projects only)**
*****	**See Cover Letter**
Conc.	**Concentration**
NA	**Not applicable**
ND	**Not Detected**
TEQ	**Toxic Equivalency**
U	**Not Detected (specific projects only)**

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

CERTIFICATIONS

Accrediting Authority	Certificate Number
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Subcontract to
Vista Analytical Laboratory

1701249

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711091 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S

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

Lab Number:

Map Ref.

4.1°C

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)									
1	SMBRP-9	09/12/17	11:50	G	MW				1									
3	MCWP-MW07S	09/12/17	10:12	G	MW				1									
9	LAMW-5S	09/12/17	09:00	G	MW				1									

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/13/17	17:30	650					
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
650	↓	↓	[signature]	09/14/17	1029			

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1701249 **TAT** Std

Samples Arrival:	**Date/Time** 09/14/17 1024	**Initials:** SR	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 09/15/17 0838	**Initials:** VBD	**Location:** WR-2 **Shelf/Rack:** B2

Delivered By:	FedEx	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Dry Ice		None

Temp °C: 4.0 (uncorrected)	**Time:** 1028	**Thermometer ID:** IR-1
Temp °C: 4.1 (corrected)	**Probe used:** Yes☐ No☒	

	YES	NO	NA
Adequate Sample Volume Received? 1 Liter each	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Shipping Documentation Present?	✓		
Airbill / Trk # 537597376	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	✓

If Chlorinated or Drinking Water Samples, Acceptable Preservation?						✓
Preservation Documented:	$Na_2S_2O_3$	Trizma	None		Yes	No / NA
Shipping Container	Vista	Client	Retain	Return	Dispose	

Comments:

October 5, 2017

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

Subject: Subcontract Analysis for FGL Lab No. SP 1711091

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

- Sub Organic-EPA 525

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-05

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1807

Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
10/04/2017

EUROFINS EATON ANALYTICAL, INC.

NELAP ACCREDITED TNI LABORATORY ORELAP 4034

Report: 686404
Project: DRINKING
Group: ORGANICS - EPA 500's

MP6E: Alicia Del Carlo

Project Manager

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Michigan**	9906
Arizona	AZ0778	**Mississippi**	Certified
Arkansas	Certified	**Montana**	Cert 0035
California-Monrovia-ELAP	2813	**Nebraska**	Certified
California-Colton- ELAP	2812	**Nevada**	CA00006-2016
California-Folsom- ELAP	2820	**New Hampshire ***	2959
California-Fresno- ELAP	2966	**New Jersey ***	CA 008
Colorado	Certified	**New Mexico**	Certified
Connecticut	PH-0107	**New York ***	11320
Delaware	CA 006	**North Carolina**	06701
Florida *	E871024	**North Dakota**	R-009
Georgia	947	**Oregon (Primary AB) ***	**ORELAP 4034**
Guam	17-005R	**Pennsylvania ***	68-565
Hawaii	Certified	**Puerto Rico**	Certified
Idaho	Certified	**Rhode Island**	LAO00326
Illinois *	200033	**South Carolina**	87016
Indiana	C-CA-01	**South Dakota**	Certified
Iowa - Asbestos	413	**Tennessee**	TN02839
Kansas *	E-10268	**Texas ***	T104704230-16-11
Kentucky	90107	**Utah ***	CA000062017-11
Louisiana *	LA170009	**Vermont**	VT0114
Maine	CA0006	**Virginia ***	460260
Maryland	224	**Washington**	C838
Commonwealth of Northern Marianas Is.	MP0004	**EPA Region 5**	Certified
Massachusetts	M-CA006	**Los Angeles County Sanitation Districts**	10264

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 626-386-1101
www.EatonAnalytical.com

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
Bicarbonate Alkalinity as HCO3	SM 2320B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1623	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	x		x
NDMA	TQ In house method based on EPA 521 (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	x		
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Semi-VOC	EPA 625		x	x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-$S^{=}$ D		x	
Sulfite	SM 4500-SO^{3}B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

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Acknowledgement of Samples Received

Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 686404
Project: DRINKING (SP 1711091)
Sample Group: ORGANICS - EPA 500's

Project Manager: Alicia Del Carlo
Phone: 559-797-1931
Sampler: Matt P./Ryan S

The following samples were received from you on **September 14, 2017** at **12:32**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, Inc..

Sample #	Sample ID	Sample Date
201709140662	SMBRP-9	09/12/2017 1150
	@525_FGL_SHORT	
201709140664	MCWP-MW07S	09/12/2017 1012
	@525_FGL_SHORT	
201709140665	LAMW-5S	09/12/2017 0900
	@525_FGL_SHORT	

Test Description

@525_FGL_SHORT -- Semivolatiles by GCMS

Subcontract to
Eurofins Eaton Analytical, Inc.

686404

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711091 - (2-25173)**
Purchase Order Number:

Sampler(s) Matt P./Ryan S

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

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	Map Ref.
0	Travel Blank	09/12/17	00:00	G	LBW				~~1~~	
1	SMBRP-9	09/12/17	11:50	G	MW				1	
3	MCWP-MW07S	09/12/17	10:12	G	MW				1	
9	LAMW-5S	09/12/17	09:00	G	MW				1	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/13/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO				9/14/17	1232			

eurofins | Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 686464

SAMPLES REC'D DAY OF COLLECTION? ☐

SAMPLE TEMP RECEIVED:

IR Gun ID = 461B (Observation= 1.6 °C) (Corr.Factor 0.2 °C) (Final = 1.4 °C)

TYPE OF ICE: Real ___ Synthetic X No Ice ___ CONDITION OF ICE: Frozen X Partially Frozen ___ Thawed ___ N/A ___

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

Compliance Acceptance Criteria:

1) Chemistry: ≥0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

- If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation=____ °C) (Corr.Factor____ °C) (Final=____ °C)	2 = (Observation=____ °C) (Corr.Factor____ °C) (Final=____ °C)
3 = (Observation=____ °C) (Corr.Factor____ °C) (Final=____ °C)	4 = (Observation=____ °C) (Corr.Factor____ °C) (Final=____ °C)

4) UCMR3 : (non-GLEC) 524.3: (Observation=____ °C) (Corr.Factor____ °C) (Final = ____ °C)

522: (Observation=____ °C) (Corr.Factor____ °C) (Final = ____ °C)

≤10°C if received within 48 hours of sample collection (not the same business day); ≤ 6°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia /Cryptosporidium: <20 °C, not frozen (received after 8 hours of sample collection)

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Crypto: (Observation=____ °C) (Corr.Factor____ °C) (Final = ____ °C)

E.Coli: (Observation=____ °C) (Corr.Factor____ °C) (Final = ____ °C)

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:		FIDEL CHIQUEZ	Eurofins Eaton Analytical	9-14-17	1232

Page ___ of ___

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 686404
Project: DRINKING (SP 1711091)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Flags Legend:

E6 - Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.

S7 - Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

The Comments Report may be blank if there are no comments for this report.

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Hits

Report: 686404
Project: DRINKING (SP 1711091)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/14/2017 12:32

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 686404
Project: DRINKING (SP 1711091)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/14/2017 12:32

Prepared	Analyzed	Prep Batch	Analyze Batch	Method	Analyte	Result	Units	MDL	MRL	Dilution
SMBRP-9 (201709140662)							**Sampled on 09/12/2017 1150**			
			EPA 525.2 - Semivolatiles by GCMS							
09/20/17	09/26/17 5:57	1028843	1030693	(EPA 525.2)	Benzo(a)pyrene	ND	ug/L	0.011	0.02	1
09/20/17	09/26/17 5:57	1028843	1030693	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.063	0.6	1
09/20/17	09/26/17 5:57	1028843	1030693	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	ND	ug/L	0.15	0.6	1
09/20/17	09/26/17 5:57	1028843	1030693	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	104	%			1
09/20/17	09/26/17 5:57	1028843	1030693	(EPA 525.2)	Acenaphthene-d10	89	%			1
09/20/17	09/26/17 5:57	1028843	1030693	(EPA 525.2)	Chrysene-d12	67	%			1
09/20/17	09/26/17 5:57	1028843	1030693	(EPA 525.2)	Perylene-d12	77	%			1
09/20/17	09/26/17 5:57	1028843	1030693	(EPA 525.2)	Phenanthrene-d10	88	%			1
MCWP-MW07S (201709140664)							**Sampled on 09/12/2017 1012**			
			EPA 525.2 - Semivolatiles by GCMS							
09/20/17	09/26/17 6:21	1028843	1030693	(EPA 525.2)	Benzo(a)pyrene	ND (E6,S7)	ug/L	0.011	0.02	1
09/20/17	09/26/17 6:21	1028843	1030693	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.063	0.6	1
09/20/17	09/26/17 6:21	1028843	1030693	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	ND (E6,S7)	ug/L	0.15	0.6	1
09/20/17	09/26/17 6:21	1028843	1030693	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	108	%			1
09/20/17	09/26/17 6:21	1028843	1030693	(EPA 525.2)	Acenaphthene-d10	99	%			1
09/20/17	09/26/17 6:21	1028843	1030693	(EPA 525.2)	Chrysene-d12	46	%			1
09/20/17	09/26/17 6:21	1028843	1030693	(EPA 525.2)	Perylene-d12	52	%			1
09/20/17	09/26/17 6:21	1028843	1030693	(EPA 525.2)	Phenanthrene-d10	97	%			1
LAMW-5S (201709140665)							**Sampled on 09/12/2017 0900**			
			EPA 525.2 - Semivolatiles by GCMS							
09/20/17	09/26/17 6:44	1028843	1030693	(EPA 525.2)	Benzo(a)pyrene	ND (E6,S7)	ug/L	0.011	0.02	1
09/20/17	09/26/17 6:44	1028843	1030693	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.063	0.6	1
09/20/17	09/26/17 6:44	1028843	1030693	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	ND (E6,S7)	ug/L	0.15	0.6	1
09/20/17	09/26/17 6:44	1028843	1030693	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	107	%			1
09/20/17	09/26/17 6:44	1028843	1030693	(EPA 525.2)	Acenaphthene-d10	90	%			1
09/20/17	09/26/17 6:44	1028843	1030693	(EPA 525.2)	Chrysene-d12	39	%			1
09/20/17	09/26/17 6:44	1028843	1030693	(EPA 525.2)	Perylene-d12	43	%			1
09/20/17	09/26/17 6:44	1028843	1030693	(EPA 525.2)	Phenanthrene-d10	86	%			1

Rounding on totals after summation.
(c) - Indicates calculated results.
ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.

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Laboratory QC Summary

Report: 686404
Project: DRINKING (SP 1711091)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

Semivolatiles by GCMS

Prep Batch: 1028843 **Analytical Batch: 1030693** **Analysis Date: 09/26/2017**

201709140662	SMBRP-9	Analyzed by: KAM
201709140664	MCWP-MW07S	Analyzed by: KAM
201709140665	LAMW-5S	Analyzed by: KAM

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Report: 686404
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FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Semivolatiles by GCMS by EPA 525.2									
Prep Batch: 1028843 Analytical Batch: 1030693							**Analysis Date: 09/26/2017**		
LCS1	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
LCS2	1,3-Dimethyl-2-nitrobenzene (S)			99.4	%	99	(70-130)		
MBLK	1,3-Dimethyl-2-nitrobenzene (S)			108	%	108	(70-130)		
MRL_CHK	1,3-Dimethyl-2-nitrobenzene (S)			106	%	106	(70-130)		
MS_201709200167	1,3-Dimethyl-2-nitrobenzene (S)			124	%	124	(70-130)		
MSD_201709200167	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
LCS1	Acenaphthene-d10 (I)			73.9	%	74	(50-150)		
LCS2	Acenaphthene-d10 (I)			67.9	%	68	(50-150)		
MBLK	Acenaphthene-d10 (I)			68.9	%	69	(50-150)		
MRL_CHK	Acenaphthene-d10 (I)			93.5	%	94	(50-150)		
MS_201709200167	Acenaphthene-d10 (I)			58.3	%	58	(50-150)		
MSD_201709200167	Acenaphthene-d10 (I)			73.2	%	73	(50-150)		
LCS1	Benzo(a)pyrene		2	2.15	ug/L	107	(70-130)		
LCS2	Benzo(a)pyrene		2	2.07	ug/L	103	(70-130)	20	3.8
MBLK	Benzo(a)pyrene			<0.01	ug/L				
MRL_CHK	Benzo(a)pyrene		0.02	0.0180	ug/L	90	(50-150)		
MS_201709200167	Benzo(a)pyrene	ND	2	2.08	ug/L	104	(70-130)		
MSD_201709200167	Benzo(a)pyrene	ND	2	1.90	ug/L	95	(70-130)	20	9.1
LCS1	Chrysene-d12 (I)			74.6	%	75	(50-150)		
LCS2	Chrysene-d12 (I)			82.3	%	82	(50-150)		
MBLK	Chrysene-d12 (I)			62.4	%	62	(50-150)		
MRL_CHK	Chrysene-d12 (I)			88.5	%	89	(50-150)		
MS_201709200167	Chrysene-d12 (I)			70.8	%	71	(50-150)		
MSD_201709200167	Chrysene-d12 (I)			89.8	%	90	(50-150)		
LCS1	Di-(2-Ethylhexyl)adipate		2	2.38	ug/L	119	(70-130)		
LCS2	Di-(2-Ethylhexyl)adipate		2	2.29	ug/L	115	(70-130)	20	3.9
MBLK	Di-(2-Ethylhexyl)adipate			<0.15	ug/L				
MRL_CHK	Di-(2-Ethylhexyl)adipate		0.3	0.338	ug/L	113	(50-150)		
MS_201709200167	Di-(2-Ethylhexyl)adipate	ND	2	2.26	ug/L	113	(70-130)		
MSD_201709200167	Di-(2-Ethylhexyl)adipate	ND	2	2.26	ug/L	113	(70-130)	20	0.0
LCS1	Di(2-Ethylhexyl)phthalate		2	2.46	ug/L	123	(70-130)		
LCS2	Di(2-Ethylhexyl)phthalate		2	2.16	ug/L	108	(70-130)	20	13
MBLK	Di(2-Ethylhexyl)phthalate			<0.15	ug/L				
MRL_CHK	Di(2-Ethylhexyl)phthalate		0.6	0.797	ug/L	133	(50-150)		
MS_201709200167	Di(2-Ethylhexyl)phthalate	ND	2	2.37	ug/L	118	(70-130)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Report: 686404
Project: DRINKING (SP 1711091)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201709200167	Di(2-Ethylhexyl)phthalate	ND	2	2.21	ug/L	110	(70-130)	20	7.0
LCS1	Perylene-d12 (S)			97.1	%	97	(70-130)		
LCS2	Perylene-d12 (S)			95.2	%	95	(70-130)		
MBLK	Perylene-d12 (S)			92.0	%	92	(70-130)		
MRL_CHK	Perylene-d12 (S)			91.9	%	92	(70-130)		
MS_201709200167	Perylene-d12 (S)			68.5	%	**69**	(70-130)		
MSD_201709200167	Perylene-d12 (S)			91.2	%	91	(70-130)		
LCS1	Phenanthrene-d10 (I)			74.4	%	74	(50-150)		
LCS2	Phenanthrene-d10 (I)			74.9	%	75	(50-150)		
MBLK	Phenanthrene-d10 (I)			67.3	%	67	(50-150)		
MRL_CHK	Phenanthrene-d10 (I)			90.5	%	91	(50-150)		
MS_201709200167	Phenanthrene-d10 (I)			71.2	%	71	(50-150)		
MSD_201709200167	Phenanthrene-d10 (I)			85.5	%	86	(50-150)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

October 24, 2017

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

Subject: Subcontract Analyses for FGL Lab No. SP 1711096

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

- Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-EstradiolPharma Positive:Caffiene, DEET, SucralosePharma Negative: Triclosan
- Sub Contracted-EPA 1625M NDMA

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

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-24

Enclosure

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 7I14003

Project: SP 1711096- (2-25173)

Attn: Cindy Aguirre

Client: FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Report Date: 10/24/2017

Received Date: 9/14/2017

Turnaround Time: Normal

Phones: (805) 392-2012

Fax: (805) 525-4172

P.O. #:

Billing Code:

Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/14/17 with the Chain-of-Custody document. The samples were received in good condition, at 5.9 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: SMBRP-9
7I14003-01 (Water)

Sampled: 09/12/17 11:50 by Ryan S/ Matt P

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr							
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	09/19/17 22:13	
Method: EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan							
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/04/17 00:29	
Method: EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan							
Triclosan	ND	1.2	2.0	ng/l	1	09/29/17 02:26	
Method: EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan							
Caffeine	**5.5**	0.31	1.0	ng/l	1	10/21/17 04:52	
DEET	**2.0**	0.060	1.0	ng/l	1	10/14/17 11:25	
Sucralose	**76**	5.0	5.0	ng/l	1	10/21/17 04:52	

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Sample Results

(Continued)

Sample: MCWP-MW07S — Sampled: 09/12/17 10:15 by Ryan S/ Matt P

7I14003-02 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr							
N-Nitrosodimethylamine	**0.54**	0.50	2.0	ng/l	1	09/19/17 22:41	J
Method: EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan							
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/04/17 00:49	
Method: EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan							
Triclosan	ND	1.2	2.0	ng/l	1	09/29/17 02:42	
Method: EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan							
Caffeine	**17**	0.31	1.0	ng/l	1	10/21/17 05:08	
DEET	**3.0**	0.060	1.0	ng/l	1	10/14/17 11:58	
Sucralose	**140**	5.0	5.0	ng/l	1	10/21/17 05:08	

Sample: LAMW-5S — Sampled: 09/12/17 9:00 by Ryan S/ Matt P

7I14003-03 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr							
N-Nitrosodimethylamine	**1.2**	0.50	2.0	ng/l	1	09/19/17 23:08	J
Method: EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan							
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/04/17 01:09	
Method: EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan							
Triclosan	ND	1.2	2.0	ng/l	1	09/29/17 02:57	
Method: EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan							
Caffeine	**15**	0.31	1.0	ng/l	1	10/21/17 05:25	
DEET	**4.3**	0.060	1.0	ng/l	1	10/14/17 12:14	
Sucralose	**1200**	5.0	5.0	ng/l	1	10/21/17 05:25	E-01

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Quality Control Results

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I0922-BLK1)					**Prepared: 09/18/17**	**Analyzed: 09/19/17**					
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l							
LCS (W7I0922-BS1)					**Prepared: 09/18/17**	**Analyzed: 09/19/17**					
N-Nitrosodimethylamine	2.86	0.50	2.0	ng/l	3.00		95	50-150			
LCS Dup (W7I0922-BSD1)					**Prepared: 09/18/17**	**Analyzed: 09/19/17**					
N-Nitrosodimethylamine	3.25	0.50	2.0	ng/l	3.00		108	50-150	13	50	

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1387-BLK1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	0.980	0.060	1.0	ng/l							J
Blank (W7I1387-BLK2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	0.325	0.31	1.0	ng/l							QC-2, J
Sucralose	ND	5.0	5.0	ng/l							QC-2
LCS (W7I1387-BS1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	11.9	0.060	1.0	ng/l	10.0		119	45-135			
LCS (W7I1387-BS2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	10.7	0.31	1.0	ng/l	10.0		107	55-152			QC-2
Sucralose	62.1	5.0	5.0	ng/l	50.0		124	50-150			QC-2
LCS Dup (W7I1387-BSD1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	13.5	0.060	1.0	ng/l	10.0		135	45-135	13	30	
LCS Dup (W7I1387-BSD2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	12.6	0.31	1.0	ng/l	10.0		126	55-152	16	30	QC-2
Sucralose	74.9	5.0	5.0	ng/l	50.0		150	50-150	19	30	QC-2

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Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1389-BLK1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	3.11	0.27	1.0	ng/l							B
Diclofenac	ND	0.26	1.0	ng/l							
Gemfibrozil	ND	0.080	1.0	ng/l							
Ibuprofen	ND	0.39	1.0	ng/l							
Iopromide	ND	1.8	5.0	ng/l							
Naproxen	ND	0.25	1.0	ng/l							
Salicylic Acid	21.1	0.86	50	ng/l							J
Triclosan	ND	1.2	2.0	ng/l							
LCS (W7I1389-BS1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	15.8	0.27	1.0	ng/l	10.0		158	53-168			
Diclofenac	24.6	0.26	1.0	ng/l	10.0		246	37-218			Q-08
Gemfibrozil	12.1	0.080	1.0	ng/l	10.0		121	76-122			
Ibuprofen	19.8	0.39	1.0	ng/l	10.0		198	67-139			Q-08
Iopromide	63.3	1.8	5.0	ng/l	50.0		127	0.1-163			
Naproxen	16.7	0.25	1.0	ng/l	10.0		167	64-138			Q-08
Salicylic Acid	124	0.86	50	ng/l	100		124	56-229			
Triclosan	12.1	1.2	2.0	ng/l	10.0		121	76-139			
LCS Dup (W7I1389-BSD1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	16.2	0.27	1.0	ng/l	10.0		162	53-168	3	30	
Diclofenac	22.3	0.26	1.0	ng/l	10.0		223	37-218	10	30	Q-08
Gemfibrozil	11.9	0.080	1.0	ng/l	10.0		119	76-122	2	30	
Ibuprofen	18.0	0.39	1.0	ng/l	10.0		180	67-139	10	30	Q-08
Iopromide	57.4	1.8	5.0	ng/l	50.0		115	0.1-163	10	30	
Naproxen	16.8	0.25	1.0	ng/l	10.0		168	64-138	0.6	30	Q-08
Salicylic Acid	125	0.86	50	ng/l	100		125	56-229	0.8	30	
Triclosan	11.9	1.2	2.0	ng/l	10.0		119	76-139	2	30	

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1388-BLK1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	ND	0.31	1.0	ng/l							
LCS (W7I1388-BS1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	11.9	0.31	1.0	ng/l	10.0		119	65-146			
LCS Dup (W7I1388-BSD1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	11.8	0.31	1.0	ng/l	10.0		118	65-146	0.8	30	

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Notes and Definitions

Item	Definition
B	Blank contamination. The analyte was found in the associated blank as well as in the sample.
E-01	The concentration indicated for this analyte is an estimated value above the calibration range.
J	Estimated conc. detected <MRL and >MDL.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

Reviewed by:

Regina Giancola
Project Manager

DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015 ● SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

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WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER:	7I14003	**Printed:**	9/15/2017 1:01:25PM
Client:	FGL Environmental	**Project Manager:**	Regina Giancola
Project:	FGL Environmental	**Project Number:**	SP 1711096- (2-25173)

Report To:
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

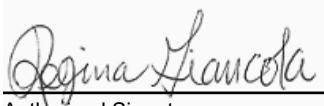
Invoice To:
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

Date Due:	09/28/17 09:00 (10 day TAT)		
Received By:	Lian Guang Liao	**Date Received:**	09/14/17 08:05
Logged In By:	Angela P. Dominguez	**Date Logged In:**	09/14/17 09:29

Samples Received at:	**5.9°C**				
All containers intact:	**Yes**	Sample labels & COC agree	**Yes**	Sufficient holding time for all tests	**Yes**
Custody Seals	**No**	Samples preserved properly	**Yes**	Received on Ice	**Yes**
Chain of custody completed	**Yes**	Sample volume sufficient	**Yes**	Appropriate sample containers	**Yes**

Samples

Analysis	Expires	Analysis Comments
7I14003-01 Sample Name: SMBRP-9 [Water] Sampled 9/12/2017 11:50		
NDMA	09/19/17 11:50	SEE COC
PPCP Hormones	10/10/17 11:50	SEE COC
PPCP Pharma-Negative	10/10/17 11:50	SEE COC
PPCP Pharma-Positive	10/10/17 11:50	SEE COC
7I14003-02 Sample Name: MCWP-MW07S [Water] Sampled 9/12/2017 10:15		
NDMA	09/19/17 10:15	SEE COC
PPCP Hormones	10/10/17 10:15	SEE COC
PPCP Pharma-Negative	10/10/17 10:15	SEE COC
PPCP Pharma-Positive	10/10/17 10:15	SEE COC
7I14003-03 Sample Name: LAMW-5S [Water] Sampled 9/12/2017 09:00		
NDMA	09/19/17 09:00	SEE COC
PPCP Hormones	10/10/17 09:00	SEE COC
PPCP Pharma-Negative	10/10/17 09:00	SEE COC
PPCP Pharma-Positive	10/10/17 09:00	SEE COC



Authorized Signature

9/15/2017
Date

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

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Subcontract to
Weck Laboratories, Inc.

TI 14003

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711096 - (2-25173)**

Purchase Order Number:

Sampler(s) Ryan S/Matt P

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

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT)						Map Ref.
1	SMBRP-9	09/12/17	11:50	G	MW				2	2						
3	MCWP-MW07S	09/12/17	10:15	G	MW				2	2						
9	LAMW-5S	09/12/17	09:00	G	MW				2	2						

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/13/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	↓	↓	[signature]	9/14/17	08:05			

5.9°

September 21, 2017

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

SP 1711160:2, 4, 7, 10, 12 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

System Number :
Project Name : Malibu WWTP - Baseline GWM

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	SP 1711160-002	MCWP-MW04S	Source-Other	Matt P/Ryan S	Not Available	09/13/2017 08:00	09/13/2017 15:52 lmm	09/16/2017 lmm
2	SP 1711160-004	SMBRP-12	Source-Other	Matt P/Ryan S	Not Available	09/13/2017 11:40	09/13/2017 16:16 lmm	09/15/2017 lmm
3	SP 1711160-007	MCWP-MW09	Source-Other	Matt P/Ryan S	Not Available	09/13/2017 13:20	09/13/2017 16:18 lmm	09/17/2017 lmm
4	SP 1711160-010	SMBRP-13	Source-Other	Matt P/Ryan S	Not Available	09/13/2017 10:40	09/13/2017 16:20 lmm	09/17/2017 lmm
5	SP 1711160-012	CCPE	Source-Other	Matt P/Ryan S	Not Available	09/13/2017 09:50	09/13/2017 16:19 lmm	09/17/2017 lmm

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	E. Coli	Person Notified ‡	Date ‡ Notified	Time ‡ Notified	Foot Note
1	MCWP-MW04S	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
2	SMBRP-12	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			
3	MCWP-MW09	---	---	SM 9221B	MPN/100ml	2 PRESENT	<1.8 ABSENT	---	N/R			
4	SMBRP-13	---	---	SM 9221B	MPN/100ml	2 PRESENT	<1.8 ABSENT	---	N/R			
5	CCPE	---	---	SM 9221B	MPN/100ml	17 PRESENT	<1.8 ABSENT	---	N/R			

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

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

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey**
Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-09-22

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

October 11, 2017

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

Lab ID : SP 1711160
Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 112 pages divided into 3 sections:

Case Narrative	(8 pages)	: An overview of the work performed at FGL.
Sample Results	(50 pages)	: Results for each sample submitted.
Quality Control	(54 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	09/13/2017	09/13/2017	SP 1711160-000	LBW
MCWP-MW04S	09/13/2017	09/13/2017	SP 1711160-002	MW
SMBRP-12	09/13/2017	09/13/2017	SP 1711160-004	MW
MCWP-MW09	09/13/2017	09/13/2017	SP 1711160-007	MW
SMBRP-13	09/13/2017	09/13/2017	SP 1711160-010	MW
CCPE	09/13/2017	09/13/2017	SP 1711160-012	MW

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

Lab ID	Analyte/Method	Required Holding Time	Actual Holding Time
SP 1711160-002	Chlorine, Total	15	37680 Minutes
SP 1711160-004	Chlorine, Total	15	37459.8 Minutes
SP 1711160-007	Chlorine, Total	15	37360.2 Minutes

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

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CA ELAP Certification No. 2775

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

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

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

Inorganic - Metals QC

200.7	09/15/2017:213964 All analysis quality controls are within established criteria, except: The following note applies to Boron: 220 The CCB was greater than the DQO. However, all results were either five times greater than the CCB concentration or ND relative to the PQL.
	09/17/2017:213973 All analysis quality controls are within established criteria.
	09/15/2017:211114 All preparation quality controls are within established criteria, except: The following note applies to Potassium: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
200.8	09/19/2017:214164 All analysis quality controls are within established criteria, except: The following note applies to Beryllium: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/20/2017:214239 All analysis quality controls are within established criteria.
245.1	09/29/2017:214696 All analysis quality controls are within established criteria.
	09/29/2017:211748 All preparation quality controls are within established criteria.
3010	09/18/2017:211156 All preparation quality controls are within established criteria, except: The following note applies to Aluminum: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Organic QC

504	09/20/2017:211319 All preparation quality controls are within established criteria, except: The following note applies to 1,3-Dibromopropane: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
504.1	09/22/2017:214159 All analysis quality controls are within established criteria.
505	09/14/2017:213798 All analysis quality controls are within established criteria, except: The following note applies to Tetrachloro-m-xylene: 362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Organic QC

505	09/13/2017:211014 All preparation quality controls are within established criteria.
507	09/29/2017:214644 All analysis quality controls are within established criteria.
	09/26/2017:211540 All preparation quality controls are within established criteria.
515.3	09/25/2017:214317 All analysis quality controls are within established criteria.
	09/21/2017:211389 All preparation quality controls are within established criteria, except: The following note applies to 2,4,5-TP (Silvex): 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
524.2	09/14/2017:213994 All analysis quality controls are within established criteria, except: The following note applies to Trichlorotrifluoroethane F-113, Bromomethane (Methyl Bromide), Trichlorofluoromethane F-11, Chloroethane (Ethyl Chloride: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/18/2017:214179 All analysis quality controls are within established criteria, except: The following note applies to 1,1,2,2-Tetrachloroethane, Trichlorotrifluoroethane F-113, Bromomethane (Methyl Bromide), Dichlorodifluoromethane, Trich: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/25/2017:214521 All analysis quality controls are within established criteria, except: The following note applies to 1,1,2,2-Tetrachloroethane, Trichlorotrifluoroethane F-113, Bromomethane (Methyl Bromide), Dichlorodifluoromethane, Trich: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/14/2017:211189 All preparation quality controls are within established criteria, except: The following note applies to Trichlorotrifluoroethane F-113: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	09/18/2017:211272 All preparation quality controls are within established criteria, except: The following note applies to Trichlorotrifluoroethane F-113: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Dichlorodifluoromethane, Freon-11: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
	09/25/2017:211594 All preparation quality controls are within established criteria.
531.1	09/15/2017:212156 All analysis quality controls are within established criteria.
	09/14/2017:211066 All preparation quality controls are within established criteria.

Organic QC

5310C	09/20/2017:214222 All analysis quality controls are within established criteria.
	09/20/2017:211306 All preparation quality controls are within established criteria.
548.1	09/22/2017:214244 All analysis quality controls are within established criteria.
	09/19/2017:211274 All preparation quality controls are within established criteria.
549	09/19/2017:211268 All preparation quality controls are within established criteria, except: The following note applies to Diquat Dibromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
549.2	09/26/2017:214477 All analysis quality controls are within established criteria.
552	09/22/2017:211426 All preparation quality controls are within established criteria.
552.2	09/23/2017:214323 All analysis quality controls are within established criteria, except: The following note applies to 2,3-Dibromopropionic Acid: 362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.
608/8081	09/22/2017:214242 All analysis quality controls are within established criteria.
	09/18/2017:211160 All preparation quality controls are within established criteria, except: The following note applies to Tetrachloro-m-xylene: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
624	09/14/2017:214550 All analysis quality controls are within established criteria, except: The following note applies to Acrylonitrile: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/14/2017:211554 All preparation quality controls are within established criteria, except: The following note applies to 2-Chloroethylvinyl ether, Acrylonitrile, Chloroform, Freon-11, Chloroethane (Ethyl Chloride): 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to 2-Chloroethylvinyl ether: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
625	09/22/2017:214390 All analysis quality controls are within established criteria, except: The following note applies to 4-Nitrophenol, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene, Indeno(1,2,3-c,d)pyrene: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

Organic QC

625	09/19/2017:211226 All preparation quality controls are within established criteria, except: The following note applies to Hexachlorocyclopentadiene: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to 2,4-Dinitrophenol: 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 Pyrene: 310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
625P	09/21/2017:214485 All analysis quality controls are within established criteria.
	09/22/2017:214486 All analysis quality controls are within established criteria.
	09/19/2017:211227 All preparation quality controls are within established criteria, except: The following note applies to Aldrin, cis_Nonachlor, Dieldrin, gamma-Chlordane, Heptachlor, Heptachlor Epoxide, o,p - DDD, o,p - DDE, p,p`-DDD, p,p`-D: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to Beta BHC, Endrin, Endrin Ketone, Methoxychlor: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

Radio QC

900.0	10/07/2017:215207 All analysis quality controls are within established criteria.
	10/06/2017:215274 All analysis quality controls are within established criteria.
	10/04/2017:211945 All preparation quality controls are within established criteria.
903.0	09/27/2017:214650 All analysis quality controls are within established criteria.
	09/24/2017:211451 All preparation quality controls are within established criteria.
906.0	09/17/2017:213990 All analysis quality controls are within established criteria.
	09/16/2017:211140 All preparation quality controls are within established criteria.
908.0	09/29/2017:214757 All analysis quality controls are within established criteria.
	09/25/2017:211488 All preparation quality controls are within established criteria.
Ra - 05	10/05/2017:214669 All analysis quality controls are within established criteria.

Radio QC

Ra - 05	10/05/2017:215053 All analysis quality controls are within established criteria.
	10/05/2017:215054 All analysis quality controls are within established criteria.
	10/01/2017:211578 All preparation quality controls are within established criteria.
SM7110C	10/03/2017:214934 All analysis quality controls are within established criteria.
	10/05/2017:214935 All analysis quality controls are within established criteria.
	09/28/2017:211691 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

1664A	09/19/2017:211254 All preparation quality controls are within established criteria, except: The following note applies to Oil and Grease: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.
	09/21/2017:211359 All preparation quality controls are within established criteria.
2120B	09/14/2017:213913 All analysis quality controls are within established criteria.
	09/14/2017:211115 All preparation quality controls are within established criteria.
2130B	09/14/2017:213906 All analysis quality controls are within established criteria.
	09/14/2017:211109 All preparation quality controls are within established criteria.
2150B	09/14/2017:211116 All preparation quality controls are within established criteria.
218.6	09/18/2017:214067 All analysis quality controls are within established criteria.
	09/18/2017:211232 All preparation quality controls are within established criteria.
2320B	09/14/2017:213886 All analysis quality controls are within established criteria.
	09/14/2017:211025 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO3), Bicarbonate: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
2510B	09/14/2017:213819 All analysis quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2510B	09/14/2017:211033 All preparation quality controls are within established criteria.
2540CE	09/15/2017:211113 All preparation quality controls are within established criteria.
	09/18/2017:211119 All preparation quality controls are within established criteria.
2540D	09/15/2017:211211 All preparation quality controls are within established criteria.
300.0	09/15/2017:214205 All analysis quality controls are within established criteria.
	09/16/2017:214207 All analysis quality controls are within established criteria.
	09/16/2017:211151 All preparation quality controls are within established criteria.
	09/14/2017:211314 All preparation quality controls are within established criteria.
314.0	09/23/2017:214659 All analysis quality controls are within established criteria.
	10/07/2017:215185 All analysis quality controls are within established criteria.
	09/22/2017:211692 All preparation quality controls are within established criteria.
	10/06/2017:212126 All preparation quality controls are within established criteria.
351.2	09/26/2017:211532 All preparation quality controls are within established criteria.
	09/27/2017:211581 All preparation quality controls are within established criteria.
4500ClG	10/09/2017:215175 All analysis quality controls are within established criteria.
	10/09/2017:212128 All preparation quality controls are within established criteria.
4500CNCE	09/21/2017:214193 All analysis quality controls are within established criteria.
	09/20/2017:211253 All preparation quality controls are within established criteria.
4500NH3G	09/15/2017:213889 All analysis quality controls are within established criteria.
	09/15/2017:211082 All preparation quality controls are within established criteria, except: The following note applies to Ammonia Nitrogen: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
4500NO2B	09/14/2017:213881 All analysis quality controls are within established criteria.

Inorganic - Wet Chemistry QC

4500NO2B	09/14/2017:211078 All preparation quality controls are within established criteria.
4500NO2F	09/13/2017:211006 All preparation quality controls are within established criteria.
4500NO3F	09/13/2017:213776 All analysis quality controls are within established criteria.
	09/13/2017:213823 All analysis quality controls are within established criteria.
	09/14/2017:213926 All analysis quality controls are within established criteria.
	09/13/2017:210988 All preparation quality controls are within established criteria.
	09/14/2017:211064 All preparation quality controls are within established criteria.
4500-P B	09/25/2017:211523 All preparation quality controls are within established criteria.
4500PE	09/25/2017:214428 All analysis quality controls are within established criteria.
5210B	09/19/2017:214116 All analysis quality controls are within established criteria.
	09/14/2017:211056 All preparation quality controls are within established criteria, except: 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	09/14/2017:213899 All analysis quality controls are within established criteria.
	09/15/2017:214025 All analysis quality controls are within established criteria.
	09/14/2017:211090 All preparation quality controls are within established criteria.
	09/15/2017:211210 All preparation quality controls are within established criteria.
EPA351.2	09/28/2017:214612 All analysis quality controls are within established criteria.

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

KD:DMB

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

October 11, 2017

Lab ID : SP 1711160-000
Customer ID : 2-25173

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

Sampled On : September 13, 2017-00:00
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Lab. Blank Water

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 524.2												
4-Bromofluorobenzene‡	90.3	70-130		%	1		524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,2-Dichlorobenzene-d4‡	95.3	70-130		%	1		524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG

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Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Dichloromethane	0.571	0.5	0.062	ug/L	1		524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,3-Dichloropropene (Total)	ND	---	---	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Xylenes (Total)	ND	---	---	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG
Total Trihalomethanes	ND	---	---	ug/L	1	U	524.2	211594	09/25/17 08:00	524.2	214521-GM215	09/25/17-20:48VRG

DQF Flags Definition:

U Constituent results were non-detect.

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

October 11, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
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Description : MCWP-MW04S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-002
Customer ID : 2-25173

Sampled On : September 13, 2017-08:00
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
General Mineral												
Total Hardness as CaCO3	2610	2.5	0.0065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Calcium	560	1	0.0065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Magnesium	295	1	0.0037	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Potassium	2.99	1	0.065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Sodium	1070	10	0.27	mg/L	10		200.7	211114	09/15/17 13:21	200.7	213973-IT203	09/17/17-16:31AC
Total Cations	98.8	0.1	0.0065	meq/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Boron	2.11	0.05	0.0050	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Copper	7.75	10	1.2	ug/L	1	J	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Iron	336	50	5.0	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Manganese	175	10	0.099	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Zinc	33.6	20	1.0	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
SAR	9.11	0.1	0.0065	--	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:34AC
Total Alkalinity (as CaCO3)	577	10	1.1	mg/L	1	I	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:47AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:47AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:47AMB
Bicarbonate as HCO3	704	10	1.1	mg/L	1.000	I	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:47AMB
Sulfate	2880	20	0.015	mg/L	20	b	300.0	211151	09/16/17 13:40	300.0	214207-IC210	09/16/17-19:53MCA
Chloride	791	20	0.0045	mg/L	20		300.0	211151	09/16/17 13:40	300.0	214207-IC210	09/16/17-19:53MCA
Nitrate as NO3	3.00	0.4	0.032	mg/L	1		4500NO3F	211064	09/14/17 14:00	4500NO3F	213926-FI207	09/14/17-16:09JDD
Nitrite as N	0.0316	0.1	0.0044	mg/L	1	J	4500NO2B	211078	09/14/17 18:45	4500NO2B	213881-UV205	09/14/17-19:48SJN

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Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral												
Nitrate + Nitrite as N	0.671	0.1	0.032	mg/L	1		4500NO3F	211064	09/14/17 14:00	4500NO3F	213926-FI207	09/14/17-16:09JDD
Fluoride	0.715	0.1	0.0021	mg/L	1		300.0	211151	09/16/17 13:40	300.0	214207-IC210	09/16/17-19:31MCA
Total Anions	93.9	0.1	0.010	meq/L	1.000	Ib	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:47AMB
pH	7.55	--	0.010	units	1		4500-H B	211258	09/13/17 08:00	4500HB	214086-CL000	09/13/17-08:00MP/RS
Specific Conductance	7380	1	0.16	umhos/cm	1	b	2510B	211033	09/14/17 09:05	2510B	213819-EC205	09/14/17-13:12JMG
Total Dissolved Solids	6380	73	5.8	mg/L	1.8214	b	2540CE	211113	09/15/17 13:38	2540C	213966-WT219	09/18/17-06:05AMB
MBAS (foaming agents)	0.143	0.1	0.017	mg/L	1		5540C	211090	09/14/17 18:00	5540C	213899-UV208	09/14/17-21:00jba
Aggressiveness Index	13.5	1	0.010	--	1		4500-H B	211258	09/13/17 08:00	4500HB	214086-CL000	09/13/17-08:00MP/RS
Langelier Index (20°C)	1.5	1	0.010	--	1	bI	4500-H B	211258	09/13/17 08:00	4500HB	214086-CL000	09/13/17-08:00MP/RS
Nitrate Nitrogen	0.700	0.1	0.032	mg/L	1		4500NO3F	211064	09/14/17 14:00	4500NO3F	213926-FI207	09/14/17-16:09JDD
Metals, Total												
Aluminum	0.388	0.01	0.000050	mg/L	1	l	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Antimony	0.00177	0.001	0.000044	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Arsenic	0.0115	0.002	0.000047	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:38AC
Barium	0.0382	0.0002	0.000026	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Cadmium	0.000310	0.0002	0.000031	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Chromium	0.00470	0.001	0.000066	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Copper	0.0123	0.001	0.000071	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Lead	0.000256	0.0002	0.000013	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Mercury	0.0000107	0.00001	.0000021	mg/L	1		245.1	211748	09/29/17 07:00	245.1	214696-HG204	09/29/17-13:20AC
Nickel	0.0160	0.001	0.000040	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:38AC
Selenium	0.0889	0.002	0.00017	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:38AC
Silver	0.0000480	0.00025	0.000022	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Chromium III	0.00407	0.001	0.000066	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:32AC
Wet Chemistry												
BOD	0.4	2	0.19	mg/L	1	JI	5210B	211056	09/14/17 17:22	5210B	214116-O2205	09/19/17-12:17kmm
Chlorine, Total	ND	0.1	0.017	mg/L	1	UT	4500ClG	212128	10/09/17 12:00	4500ClG	215175-UV205	10/09/17-12:52AMM
Chromium VI	0.628	0.1	0.012	ug/L	1		218.6	211232	09/18/17 14:30	218.6	214067-IC209	09/18/17-19:08JDD

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Color	65.0	5	0.0	units	1		2120B	211115	09/14/17 07:15	2120B	213913-JMG	09/14/17-07:40jmg
Cyanide, Total	ND	0.01	0.0010	mg/L	1	U	4500CNCE	211253	09/20/17 11:26	4500CNCE	214193-UV205	09/21/17-10:49AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-07:09AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-07:09AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:26AMB
Nitrogen, Total as Nitrogen	0.671	0.5	0.32	mg/L	1		351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:26AMB
Nitrate + Nitrite as N	0.671	0.1	0.032	mg/L	1		4500NO3F	211064	09/14/17 14:00	4500NO3F	213926-FI207	09/14/17-16:09JDD
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:26AMB
Odor	4.00	1	0.0	TON	1		2150B	211116	09/14/17 06:35	2150B	213914-JMG	09/14/17-07:20jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.087	UL	1664A	211254	09/19/17 11:32	1664A	214156-WT215	09/20/17-11:29AMM
Phosphorus, Total	0.449	0.1	0.020	mg/L	1		4500-P B	211523	09/25/17 15:30	4500PE	214428-UV205	09/25/17-17:03SJN
Solids, Total Suspended (TSS)	8.29	1.4	0.49	mg/L	1.4286		2540D	211211	09/15/17 17:00	2540D	214106-WT215	09/19/17-15:15jba
Turbidity	1.16	0.2	0.048	NTU	1		2130B	211109	09/14/17 21:22	2130B	213906-TR203	09/14/17-21:28jba
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	212126	10/06/17 18:00	314.0	215185-IC207	10/07/17-03:26MCA

DQF Flags Definition:

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

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

October 11, 2017

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

Description : MCWP-MW04S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-002
Customer ID : 2-25173

Sampled On : September 13, 2017-08:00
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 504.1												
1,3-Dibromopropane‡	129	70-130		%	0.98351		504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-00:42SBL
DBCP	ND	0.0098	0.0057	ug/L	0.98351	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-00:42SBL
EDB	ND	0.02	0.0027	ug/L	0.98351	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-00:42SBL
EPA 505												
Tetrachloro-m-xylene‡	99.2	70-130		%	1		505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Alachlor	ND	0.2	0.13	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Aldrin	ND	0.01	0.0040	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Chlordane	ND	0.1	0.041	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Dieldrin	ND	0.0098	0.0024	ug/L	0.97983	Ub	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Endrin	ND	0.01	0.0054	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Heptachlor	ND	0.01	0.0026	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Heptachlor Epoxide	ND	0.01	0.0046	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Hexachlorobenzene	ND	0.01	0.0031	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Hexachlorocyclopentadiene	ND	0.1	0.027	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Methoxychlor	ND	0.1	0.0098	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
Toxaphene	ND	0.5	0.11	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
PCB 1016	ND	0.5	0.13	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
PCB 1221	ND	0.5	0.067	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
PCB 1232	ND	0.5	0.073	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL

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Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505												
PCB 1242	ND	0.5	0.14	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
PCB 1248	ND	0.5	0.15	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
PCB 1254	ND	0.5	0.026	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
PCB 1260	ND	0.5	0.12	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-10:35SBL
EPA 507												
Triphenylphosphate‡	46.6	70-130		%	0.93897	L	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Alachlor	ND	0.94	0.16	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Atrazine	ND	0.94	0.14	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Bromacil	ND	1.9	0.12	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Butachlor	ND	0.94	0.21	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Diazinon	ND	1.9	0.18	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Dimethoate	ND	1.9	0.089	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Metolachlor	ND	0.94	0.41	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Metribuzin	ND	0.47	0.24	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Molinate	ND	1.9	0.13	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Prometryne	ND	1.9	0.095	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Propachlor	ND	0.94	0.12	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Simazine	ND	0.94	0.16	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Thiobencarb	ND	0.94	0.15	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
Cyanazine	ND	0.94	0.11	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-00:45SG
EPA 515												
2,4-DCAA‡	81.0	70-130		%	1		515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	Ul	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:17SG
EPA 524.2												
4-Bromofluorobenzene‡	82.4	70-130		%	1		524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,2-Dichlorobenzene-d4‡	82.1	70-130		%	1		524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,3-Dichloropropene (Total)	ND	---	---	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uh	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Xylenes (Total)	ND	---	---	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
Total Trihalomethanes	ND	---	---	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:12VRG
EPA 531.1												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-15:38SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-15:38SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-15:38SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-15:38SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-15:38SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-15:38SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-15:38SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-15:38SG
EPA 548.1												
Endothall	ND	40	16	ug/L	1	U	548.1	211274	09/19/17 15:28	548.1	214244-GC220	09/22/17-00:13SG
EPA 549												
Diquat	ND	2	0.12	ug/L	1	U	549	211268	09/19/17 14:11	549.2	214477-LC204	09/26/17-13:37SG
EPA 552.2												
2,3-Dibromopropionic Acid‡	101	70-130		%	1		552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:09SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:09SBL
Chloroacetic Acid	ND	2	0.28	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:09SBL
Dibromoacetic Acid	0.550	1	0.25	ug/L	1	J	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:09SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:09SBL
Trichloroacetic Acid	ND	1	0.39	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:09SBL
Haloacetic acids (five)	0.550	---	---	ug/L	1	UJ	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:09SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 608												
Tetrachloro-m-xylene‡	55.4	15-143		%	0.93458		608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
Chlordane	ND	1.9	0.025	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
PCB 1221	ND	0.47	0.19	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
PCB 1248	ND	0.47	0.056	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-03:39SBL
EPA 624												
4-Bromofluorobenzene‡	101	70-161		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Fluorobenzene‡	99.3	72-139		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Pentafluorobenzene‡	110	59-151		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Ufh	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Chloroform	ND	0.5	0.045	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624												
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG
Xylenes	ND	---	---	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:32VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
2-Fluorobiphenyl‡	40.5	29-98		%	0.93897		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2-Fluorophenol‡	46.4	23-105		%	0.93897		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Nitrobenzene-d5‡	41.0	23-104		%	0.93897		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Phenol-d6‡	45.4	26-102		%	0.93897		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
p-Terphenyl-d14‡	33.8	29-93		%	0.93897		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2,4,6-Tribromophenol‡	48.1	34-116		%	0.93897		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Acenaphthene	ND	0.94	0.50	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Acenaphthylene	ND	0.94	0.39	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Anthracene	ND	0.94	0.43	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Benzidine	ND	9.4	1.8	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Benzo(a)anthracene	ND	0.94	0.43	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Benzo(a)pyrene	ND	0.94	0.40	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Benzo(b)fluoranthene	ND	0.94	0.37	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Benzo(g,h,i)perylene	ND	0.94	0.40	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Benzo(k)fluoranthene	ND	0.94	0.50	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
bis(2-Chloroethoxy)methane	ND	0.94	0.56	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
bis(2-Chloroethyl)ether	ND	0.94	0.52	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
bis(2-Chloroisopropyl)ether	ND	0.94	0.53	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
bis(2-Ethylhexyl)phthalate	ND	1.9	0.41	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
4-Bromophenylphenylether	ND	0.94	0.46	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2-Chloronaphthalene	ND	0.94	0.63	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
4-Chlorophenylphenylether	ND	0.94	0.62	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Chrysene	ND	0.94	0.51	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Dibenzo(a,h)anthracene	ND	0.94	0.37	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
1,2-Dichlorobenzene	ND	0.94	0.47	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
1,3-Dichlorobenzene	ND	0.94	0.45	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
1,4-Dichlorobenzene	ND	0.94	0.47	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
3,3'-Dichlorobenzidine	ND	0.94	0.43	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Diethylphthalate	ND	0.94	0.34	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Dimethylphthalate	ND	0.94	0.31	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Di-n-butylphthalate	ND	1.9	0.35	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
4,6-Dinitro-2-methylphenol	ND	0.94	0.43	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2,4-Dinitrotoluene	ND	0.94	0.49	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2,6-Dinitrotoluene	ND	0.94	0.55	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Di-n-octylphthalate	ND	0.94	0.31	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
1,2-Diphenylhydrazine	ND	0.94	0.47	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Fluoranthene	ND	0.94	0.44	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Fluorene	ND	0.94	0.62	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Hexachlorobenzene	ND	0.94	0.47	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Hexachlorobutadiene	ND	0.94	0.45	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Hexachlorocyclopentadiene	ND	0.94	0.24	ug/L	0.93897	UH	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Hexachloroethane	ND	0.94	0.43	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Indeno(1,2,3-c,d)pyrene	ND	0.94	0.38	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Isophorone	ND	0.94	0.41	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Naphthalene	ND	0.94	0.55	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Nitrobenzene	ND	0.94	0.47	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2-Nitrophenol	ND	1.9	1.1	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
N-Nitrosodi-n-propylamine	ND	0.94	0.53	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
N-Nitrosodiphenylamine	ND	0.94	0.74	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Phenanthrene	ND	0.94	0.018	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Phenol	ND	0.94	0.88	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
Pyrene	ND	0.94	0.46	ug/L	0.93897	UH	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
Pyridine	ND	9.4	0.32	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
1,2,4-Trichlorobenzene	ND	0.94	0.48	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2,4,6-Trichlorophenol	ND	0.94	0.90	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.93897	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:02SBL
EPA 625 Pest												
Aldrin	ND	4.7	0.91	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Beta BHC	ND	4.7	1.5	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Delta BHC	ND	4.7	1.8	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Dieldrin	ND	4.7	1.5	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Endrin	ND	4.7	1.3	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Endrin Ketone	ND	4.7	1.8	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Heptachlor	ND	4.7	1.8	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 625 Pest												
trans-Nonachlor	ND	47	1.2	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
Tetrachloro-m-xylene‡	78.5	26-90		%	0.93458		625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-19:30SG
TOC												
TOC	4.03	0.5	0.15	mg/L	1		5310C	211306	09/20/17 10:39	5310C	214222-TC203	09/20/17-15:13AMM

DQF Flags Definition:

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

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

October 11, 2017

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

Description : MCWP-MW04S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-002
Customer ID : 2-25173

Sampled On : September 13, 2017-08:00
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation Method	Sample Preparation ID Time	Sample Analysis Method	Sample Analysis ID Time
Radio Chemistry									
Gross Alpha	49.1 ± 8.21	2.79	pCi/L	15		SM7110C	211691 09/28/17 17:40	SM7110C	214934-GP209 10/03/17-14:50RMM
Gross Beta	0.000 ± 6.43	6.48	pCi/L	50		900.0	211945 10/04/17 16:00	900.0	215274-GP217 10/06/17-15:40aat
Total Alpha Radium (226)	0.138 ± 0.163	0.363	pCi/L	3		903.0	211451 09/24/17 11:00	903.0	214650-GP215 09/27/17-12:10aat
Tritium	293 ± 267	434	pCi/L	20000		906.0	211140 09/16/17 05:47	906.0	213990-LS202 09/17/17-02:12elc
Uranium	49.7 ± 4.96	0.470	pCi/L	20		908.0	211488 09/25/17 11:02	908.0	214757-GP216 09/29/17-16:00aat
Ra 228	0.000 ± 0.565	0.505	pCi/L	2		Ra - 05	211578 10/01/17 14:00	Ra - 05	215053-GP218 10/05/17-19:30emv

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

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

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L

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Radium 226 + Radium 228 is less than or equal to 5 pCi/L

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

October 11, 2017

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

Description : SMBRP-12
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-004
Customer ID : 2-25173

Sampled On : September 13, 2017-11:40
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
General Mineral												
Total Hardness as CaCO3	548	2.5	0.0065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Calcium	97.0	1	0.0065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Magnesium	74.4	1	0.0037	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Potassium	32.6	1	0.065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Sodium	518	5	0.27	mg/L	5		200.7	211114	09/15/17 13:21	200.7	213973-IT203	09/17/17-16:36AC
Total Cations	34.3	0.1	0.0065	meq/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Boron	0.910	0.05	0.0050	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213973-IT203	09/17/17-12:02AC
Copper	ND	10	1.2	ug/L	1	U	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Iron	1300	50	5.0	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Manganese	424	10	0.099	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Zinc	4.63	20	1.0	ug/L	1	J	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
SAR	9.62	0.1	0.0065	--	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:36AC
Total Alkalinity (as CaCO3)	377	10	1.1	mg/L	1	I	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:35AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:35AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:35AMB
Bicarbonate as HCO3	460	10	1.1	mg/L	1.000	I	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:35AMB
Sulfate	508	10	0.015	mg/L	10	b	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-04:43MCA
Chloride	482	10	0.0045	mg/L	10		300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-04:43MCA
Nitrate as NO3	ND	0.4	0.0032	mg/L	1	U	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-00:48MCA
Nitrite as N	ND	0.1	0.0010	mg/L	1	U	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-00:48MCA

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Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral												
Nitrate + Nitrite as N	ND	0.1	0.0032	mg/L	1	U	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-00:48MCA
Fluoride	0.444	0.1	0.0021	mg/L	1		300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-00:48MCA
Total Anions	31.7	0.1	0.010	meq/L	1.000	Ib	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:35AMB
pH	7.27	--	0.010	units	1		4500-H B	211258	09/13/17 11:40	4500HB	214086-CL000	09/13/17-11:40MP/RS
Specific Conductance	3110	1	0.16	umhos/cm	1	b	2510B	211033	09/14/17 09:05	2510B	213819-EC205	09/14/17-13:12JMG
Total Dissolved Solids	1950	40	5.8	mg/L	1	b	2540CE	211119	09/18/17 12:13	2540C	214054-WT219	09/19/17-05:46AMB
MBAS (foaming agents)	0.155	0.1	0.017	mg/L	1		5540C	211090	09/14/17 18:00	5540C	213899-UV208	09/14/17-21:00jba
Aggressiveness Index	12.2	1	0.010	--	1		4500-H B	211258	09/13/17 11:40	4500HB	214086-CL000	09/13/17-11:40MP/RS
Langelier Index (20°C)	0.3	1	0.010	--	1	bI	4500-H B	211258	09/13/17 11:40	4500HB	214086-CL000	09/13/17-11:40MP/RS
Nitrate Nitrogen	ND	0.1	0.00080	mg/L	1	U	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-00:48MCA
Metals, Total												
Aluminum	0.0190	0.01	0.000050	mg/L	1	l	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Antimony	0.000373	0.001	0.000044	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Arsenic	0.0149	0.002	0.000047	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:45AC
Barium	0.0570	0.0002	0.000026	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Cadmium	ND	0.0002	0.000031	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Chromium	0.000836	0.001	0.000066	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Copper	0.00286	0.001	0.000071	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Lead	ND	0.0002	0.000013	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Mercury	0.00000609	0.00001	.0000021	mg/L	1	J	245.1	211748	09/29/17 07:00	245.1	214696-HG204	09/29/17-13:24AC
Nickel	0.0122	0.001	0.000040	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:45AC
Selenium	0.00157	0.002	0.00017	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:45AC
Silver	0.0000350	0.00025	0.000022	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Chromium III	0.000605	0.001	0.000066	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:39AC
Wet Chemistry												
BOD	0.5	2	0.19	mg/L	1	JI	5210B	211056	09/14/17 17:26	5210B	214116-O2205	09/19/17-12:17kmm
Chlorine, Total	ND	0.1	0.017	mg/L	1	UT	4500ClG	212128	10/09/17 12:00	4500ClG	215175-UV205	10/09/17-12:53AMM
Chromium VI	0.231	0.1	0.012	ug/L	1		218.6	211232	09/18/17 14:30	218.6	214067-IC209	09/18/17-19:19JDD

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Color	40.0	5	0.0	units	1		2120B	211115	09/14/17 07:15	2120B	213913-JMG	09/14/17-07:40jmg
Cyanide, Total	ND	0.01	0.0010	mg/L	1	U	4500CNCE	211253	09/20/17 11:26	4500CNCE	214193-UV205	09/21/17-10:52AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1		4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-07:42AMB
Ammonia Nitrogen	5.65	0.2	0.072	mg/L	1		4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-07:42AMB
Kjeldahl Nitrogen	2.76	0.5	0.32	mg/L	1		351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:28AMB
Nitrogen, Total as Nitrogen	2.76	0.5	0.32	mg/L	1		351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:28AMB
Nitrate + Nitrite as N	ND	0.1	0.0032	mg/L	1	U	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-00:48MCA
Kjeldahl Nitrogen	2.76	0.5	0.32	mg/L	1		351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:28AMB
Odor	ND	1	0.0	TON	1	U	2150B	211116	09/14/17 06:35	2150B	213914-JMG	09/14/17-07:20jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.087	UL	1664A	211254	09/19/17 11:32	1664A	214156-WT215	09/20/17-11:29AMM
Phosphorus, Total	1.37	0.1	0.020	mg/L	1		4500-P B	211523	09/25/17 15:30	4500PE	214428-UV205	09/25/17-17:04SJN
Solids, Total Suspended (TSS)	4.90	1	0.49	mg/L	1.0417		2540D	211211	09/15/17 17:00	2540D	214106-WT215	09/19/17-15:15jba
Turbidity	9.42	0.2	0.048	NTU	1		2130B	211109	09/14/17 21:22	2130B	213906-TR203	09/14/17-21:28jba
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	211692	09/22/17 14:15	314.0	214659-IC207	09/23/17-01:37MCA

DQF Flags Definition:

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

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

October 11, 2017

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

Description : SMBRP-12
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-004
Customer ID : 2-25173

Sampled On : September 13, 2017-11:40
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 504.1												
1,3-Dibromopropane‡	130	70-130		%	0.98209		504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-01:31SBL
DBCP	ND	0.0098	0.0057	ug/L	0.98209	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-01:31SBL
EDB	ND	0.02	0.0027	ug/L	0.98209	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-01:31SBL
EPA 505												
Tetrachloro-m-xylene‡	126	70-130		%	1		505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Alachlor	ND	0.2	0.13	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Aldrin	ND	0.01	0.0040	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Chlordane	ND	0.1	0.041	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Dieldrin	ND	0.0099	0.0024	ug/L	0.98694	Ub	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Endrin	ND	0.01	0.0054	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Heptachlor	ND	0.01	0.0026	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Heptachlor Epoxide	ND	0.01	0.0046	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Hexachlorobenzene	ND	0.01	0.0031	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Hexachlorocyclopentadiene	ND	0.1	0.027	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Methoxychlor	ND	0.1	0.0098	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
Toxaphene	ND	0.5	0.11	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
PCB 1016	ND	0.5	0.13	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
PCB 1221	ND	0.5	0.067	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
PCB 1232	ND	0.5	0.073	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL

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CA ELAP Certification No. 2810

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505												
PCB 1242	ND	0.5	0.14	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
PCB 1248	ND	0.5	0.15	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
PCB 1254	ND	0.5	0.026	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
PCB 1260	ND	0.5	0.12	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:14SBL
EPA 507												
Triphenylphosphate‡	71.9	70-130		%	0.93897		507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Alachlor	ND	0.94	0.16	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Atrazine	ND	0.94	0.14	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Bromacil	ND	1.9	0.12	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Butachlor	ND	0.94	0.21	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Diazinon	ND	1.9	0.18	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Dimethoate	ND	1.9	0.089	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Metolachlor	ND	0.94	0.41	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Metribuzin	ND	0.47	0.24	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Molinate	ND	1.9	0.13	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Prometryne	ND	1.9	0.095	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Propachlor	ND	0.94	0.12	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Simazine	ND	0.94	0.16	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Thiobencarb	ND	0.94	0.15	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
Cyanazine	ND	0.94	0.11	ug/L	0.93897	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-01:22SG
EPA 515												
2,4-DCAA‡	97.4	70-130		%	1		515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	Ul	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-19:56SG
EPA 524.2												
4-Bromofluorobenzene‡	85.1	70-130		%	1		524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,2-Dichlorobenzene-d4‡	88.4	70-130		%	1		524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Chlorobenzene	0.346	0.5	0.050	ug/L	1	J	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,2-Dichlorobenzene	0.173	0.5	0.047	ug/L	1	J	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,3-Dichlorobenzene	0.330	0.5	0.044	ug/L	1	J	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,4-Dichlorobenzene	0.297	0.5	0.021	ug/L	1	J	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,3-Dichloropropene (Total)	ND	---	---	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Trichloroethylene	0.541	0.5	0.060	ug/L	1		524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uh	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Xylenes (Total)	ND	---	---	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
Total Trihalomethanes	ND	---	---	ug/L	1	U	524.2	211272	09/18/17 08:00	524.2	214179-GM215	09/18/17-11:40VRG
EPA 531.1												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:09SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:09SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:09SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:09SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:09SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:09SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:09SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:09SG
EPA 548.1												
Endothall	ND	40	16	ug/L	1	U	548.1	211274	09/19/17 15:28	548.1	214244-GC220	09/22/17-00:42SG
EPA 549												
Diquat	ND	2	0.12	ug/L	1	U	549	211268	09/19/17 14:11	549.2	214477-LC204	09/26/17-13:44SG
EPA 552.2												
2,3-Dibromopropionic Acid‡	98.1	70-130		%	1		552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:40SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:40SBL
Chloroacetic Acid	ND	2	0.28	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:40SBL
Dibromoacetic Acid	0.544	1	0.25	ug/L	1	J	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:40SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:40SBL
Trichloroacetic Acid	ND	1	0.39	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:40SBL
Haloacetic acids (five)	ND	---	---	ug/L	1	UJ	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-01:40SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 608												
Tetrachloro-m-xylene‡	40.7	15-143		%	0.93458		608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
Chlordane	ND	1.9	0.025	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
PCB 1221	ND	0.47	0.19	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
PCB 1248	ND	0.47	0.056	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-04:18SBL
EPA 624												
4-Bromofluorobenzene‡	105	70-161		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Fluorobenzene‡	99.0	72-139		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Pentafluorobenzene‡	109	59-151		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Ufh	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Chlorobenzene	0.351	0.5	0.036	ug/L	1	Jf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Chloroform	ND	0.5	0.045	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624												
1,2-Dichlorobenzene	0.150	0.5	0.026	ug/L	1	Jf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,3-Dichlorobenzene	0.378	0.5	0.11	ug/L	1	Jf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,4-Dichlorobenzene	0.402	0.5	0.063	ug/L	1	Jf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG
Xylenes	ND	---	---	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-16:59VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
2-Fluorobiphenyl‡	50.6	29-98		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2-Fluorophenol‡	51.8	23-105		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Nitrobenzene-d5‡	53.3	23-104		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Phenol-d6‡	53.3	26-102		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
p-Terphenyl-d14‡	54.2	29-93		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2,4,6-Tribromophenol‡	55.5	34-116		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Acenaphthene	ND	0.93	0.50	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Acenaphthylene	ND	0.93	0.39	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Anthracene	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Benzidine	ND	9.3	1.8	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Benzo(a)anthracene	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Benzo(a)pyrene	ND	0.93	0.40	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Benzo(b)fluoranthene	ND	0.93	0.37	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Benzo(g,h,i)perylene	ND	0.93	0.40	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Benzo(k)fluoranthene	ND	0.93	0.50	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
bis(2-Chloroethoxy)methane	ND	0.93	0.56	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
bis(2-Chloroethyl)ether	ND	0.93	0.52	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
bis(2-Chloroisopropyl)ether	ND	0.93	0.53	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
bis(2-Ethylhexyl)phthalate	0.421	1.9	0.41	ug/L	0.93458	J	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
4-Bromophenylphenylether	ND	0.93	0.46	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2-Chloronaphthalene	ND	0.93	0.63	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
4-Chlorophenylphenylether	ND	0.93	0.62	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Chrysene	ND	0.93	0.51	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Dibenzo(a,h)anthracene	ND	0.93	0.37	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
1,2-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
1,3-Dichlorobenzene	ND	0.93	0.45	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
1,4-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
3,3'-Dichlorobenzidine	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Diethylphthalate	ND	0.93	0.34	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Dimethylphthalate	ND	0.93	0.31	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Di-n-butylphthalate	ND	1.9	0.35	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
4,6-Dinitro-2-methylphenol	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2,4-Dinitrotoluene	ND	0.93	0.49	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2,6-Dinitrotoluene	ND	0.93	0.55	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Di-n-octylphthalate	ND	0.93	0.31	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
1,2-Diphenylhydrazine	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Fluoranthene	ND	0.93	0.44	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Fluorene	ND	0.93	0.62	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Hexachlorobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Hexachlorobutadiene	ND	0.93	0.45	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Hexachlorocyclopentadiene	ND	0.93	0.24	ug/L	0.93458	UH	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Hexachloroethane	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Indeno(1,2,3-c,d)pyrene	ND	0.93	0.38	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Isophorone	ND	0.93	0.41	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Naphthalene	ND	0.93	0.55	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Nitrobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2-Nitrophenol	ND	1.9	1.1	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
N-Nitrosodi-n-propylamine	ND	0.93	0.53	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
N-Nitrosodiphenylamine	ND	0.93	0.74	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Phenanthrene	ND	0.93	0.018	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Phenol	ND	0.93	0.88	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
Pyrene	ND	0.93	0.46	ug/L	0.93458	UH	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
Pyridine	ND	9.3	0.32	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
1,2,4-Trichlorobenzene	ND	0.93	0.48	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2,4,6-Trichlorophenol	ND	0.93	0.90	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-18:55SBL
EPA 625 Pest												
Aldrin	ND	4.7	0.91	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Beta BHC	ND	4.7	1.5	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Delta BHC	ND	4.7	1.8	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Dieldrin	ND	4.7	1.5	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Endrin	ND	4.7	1.3	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Endrin Ketone	ND	4.7	1.8	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Heptachlor	ND	4.7	1.8	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 625 Pest												
trans-Nonachlor	ND	47	1.2	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
Tetrachloro-m-xylene‡	73.8	26-90		%	0.93458		625P	211227	09/19/17 13:30	625P	214486-GM210	09/22/17-20:13SG
TOC												
TOC	1.83	0.5	0.15	mg/L	1		5310C	211306	09/20/17 10:39	5310C	214222-TC203	09/20/17-15:31AMM

DQF Flags Definition:

b	The Blank was detected above method MDL for constituent but less than the PQL
H	The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.
h	The MS/MSD did not meet QC criteria.
l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.
f	MS/MSD QC requirement met by BS/BSD due to limited sample volume.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-12
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-004
Customer ID : 2-25173

Sampled On : September 13, 2017-11:40
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Radio Chemistry											
Gross Alpha	2.24 ± 1.39	1.15	pCi/L	15		SM7110C	211691	09/28/17 17:40	SM7110C	214935-GP210	10/05/17-11:00aat
Gross Beta	20.7 ± 2.79	3.36	pCi/L	50		900.0	211945	10/04/17 16:00	900.0	215207-GP220	10/07/17-03:30aat
Total Alpha Radium (226)	0.000 ± 0.094	0.363	pCi/L	3		903.0	211451	09/24/17 11:00	903.0	214650-GP215	09/27/17-12:35aat
Tritium	195 ± 264	434	pCi/L	20000		906.0	211140	09/16/17 05:47	906.0	213990-LS202	09/17/17-03:03elc
Uranium	0.624 ± 1.01	0.470	pCi/L	20		908.0	211488	09/25/17 11:02	908.0	214757-GP216	09/29/17-16:25aat
Ra 228	0.158 ± 0.654	0.400	pCi/L	2		Ra - 05	211578	10/01/17 14:00	Ra - 05	214669-GP219	10/05/17-19:30emv

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 11, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW09
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-007
Customer ID : 2-25173

Sampled On : September 13, 2017-13:20
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
General Mineral												
Total Hardness as CaCO3	759	2.5	0.0065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Calcium	113	1	0.0065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Magnesium	116	1	0.0037	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Potassium	22.2	1	0.065	mg/L	1	h	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Sodium	895	5	0.27	mg/L	5		200.7	211114	09/15/17 13:21	200.7	213973-IT203	09/17/17-17:01AC
Total Cations	54.7	0.1	0.0065	meq/L	1	h	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Boron	0.853	0.05	0.0050	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213973-IT203	09/17/17-12:12AC
Copper	ND	10	1.2	ug/L	1	U	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Iron	648	50	5.0	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Manganese	172	10	0.099	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Zinc	7.83	20	1.0	ug/L	1	J	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
SAR	14.1	0.1	0.0065	--	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:55AC
Total Alkalinity (as CaCO3)	306	10	1.1	mg/L	1	I	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:16AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:16AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:16AMB
Bicarbonate as HCO3	374	10	1.1	mg/L	1.000	I	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:16AMB
Sulfate	655	20	0.015	mg/L	20	b	300.0	211151	09/16/17 13:40	300.0	214207-IC210	09/16/17-20:35MCA
Chloride	1090	20	0.0045	mg/L	20		300.0	211151	09/16/17 13:40	300.0	214207-IC210	09/16/17-20:35MCA
Nitrate as NO3	0.200	0.4	0.032	mg/L	1	J	4500NO3F	211064	09/14/17 14:00	4500NO3F	213926-FI207	09/14/17-16:11JDD
Nitrite as N	0.0253	0.1	0.0044	mg/L	1	J	4500NO2B	211078	09/14/17 18:45	4500NO2B	213881-UV205	09/14/17-19:49SJN

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Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral												
Nitrate + Nitrite as N	0.0340	0.1	0.032	mg/L	1	J	4500NO3F	211064	09/14/17 14:00	4500NO3F	213926-FI207	09/14/17-16:11JDD
Fluoride	0.449	0.1	0.0021	mg/L	1		300.0	211151	09/16/17 13:40	300.0	214207-IC210	09/16/17-20:14MCA
Total Anions	50.5	0.1	0.010	meq/L	1.000	IbJ	2320B	211025	09/14/17 03:00	2320B	213886-MT201	09/14/17-14:16AMB
pH	7.44	--	0.010	units	1		4500-H B	211258	09/13/17 13:20	4500HB	214086-CL000	09/13/17-13:20MP/RS
Specific Conductance	5070	1	0.16	umhos/cm	1	b	2510B	211033	09/14/17 09:05	2510B	213819-EC205	09/14/17-13:12JMG
Total Dissolved Solids	3080	68	5.8	mg/L	1.7	b	2540CE	211113	09/15/17 13:38	2540C	213966-WT219	09/18/17-05:51AMB
MBAS (foaming agents)	ND	0.1	0.017	mg/L	1	U	5540C	211210	09/15/17 08:40	5540C	214025-UV208	09/15/17-18:45jba
Aggressiveness Index	12.4	1	0.010	--	1		4500-H B	211258	09/13/17 13:20	4500HB	214086-CL000	09/13/17-13:20MP/RS
Langelier Index (20°C)	0.4	1	0.010	--	1	bI	4500-H B	211258	09/13/17 13:20	4500HB	214086-CL000	09/13/17-13:20MP/RS
Nitrate Nitrogen	ND	0.1	0.032	mg/L	1	J	4500NO3F	211064	09/14/17 14:00	4500NO3F	213926-FI207	09/14/17-16:11JDD
Metals, Total												
Aluminum	0.151	0.01	0.000050	mg/L	1	l	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Antimony	0.000304	0.001	0.000044	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Arsenic	0.00336	0.002	0.000047	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:51AC
Barium	0.0278	0.0002	0.000026	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Cadmium	ND	0.0002	0.000031	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Chromium	0.00339	0.001	0.000066	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Copper	0.00577	0.001	0.000071	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Lead	0.000106	0.0002	0.000013	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Mercury	0.00000474	0.00001	.0000021	mg/L	1	J	245.1	211748	09/29/17 07:00	245.1	214696-HG204	09/29/17-13:27AC
Nickel	0.00441	0.001	0.000040	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:51AC
Selenium	0.00499	0.002	0.00017	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-17:51AC
Silver	0.0000240	0.00025	0.000022	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Chromium III	0.00317	0.001	0.000066	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:46AC
Wet Chemistry												
BOD	0.2	2	0.19	mg/L	1	JI	5210B	211056	09/14/17 17:29	5210B	214116-O2205	09/19/17-12:17kmm
Chlorine, Total	ND	0.1	0.017	mg/L	1	UT	4500ClG	212128	10/09/17 12:00	4500ClG	215175-UV205	10/09/17-12:56AMM
Chromium VI	0.217	0.1	0.012	ug/L	1		218.6	211232	09/18/17 14:30	218.6	214067-IC209	09/18/17-19:30JDD

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Color	15.0	5	0.0	units	1		2120B	211115	09/14/17 07:15	2120B	213913-JMG	09/14/17-07:40jmg
Cyanide, Total	ND	0.01	0.0010	mg/L	1	U	4500CNCE	211253	09/20/17 11:26	4500CNCE	214193-UV205	09/21/17-10:53AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1		4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-07:14AMB
Ammonia Nitrogen	2.80	0.2	0.072	mg/L	1		4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-07:14AMB
Kjeldahl Nitrogen	1.45	0.5	0.32	mg/L	1		351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:29AMB
Nitrogen, Total as Nitrogen	1.48	0.5	0.32	mg/L	1	J	351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:29AMB
Nitrate + Nitrite as N	0.0340	0.1	0.032	mg/L	1	J	4500NO3F	211064	09/14/17 14:00	4500NO3F	213926-FI207	09/14/17-16:11JDD
Kjeldahl Nitrogen	1.45	0.5	0.32	mg/L	1		351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:29AMB
Odor	ND	1	0.0	TON	1	U	2150B	211116	09/14/17 06:35	2150B	213914-JMG	09/14/17-07:20jmg
Oil and Grease	ND	3.3	1.5	mg/L	1.0989	U	1664A	211359	09/21/17 10:10	1664A	214298-WT215	09/22/17-11:35CTL
Phosphorus, Total	0.314	0.1	0.020	mg/L	1		4500-P B	211523	09/25/17 15:30	4500PE	214428-UV205	09/25/17-17:05SJN
Solids, Total Suspended (TSS)	8.23	1.1	0.49	mg/L	1.0753		2540D	211211	09/15/17 17:00	2540D	214106-WT215	09/19/17-15:15jba
Turbidity	1.81	0.2	0.048	NTU	1		2130B	211109	09/14/17 21:22	2130B	213906-TR203	09/14/17-21:28jba
Perchlorate	ND	2	0.29	ug/L	1	Ub	314.0	211692	09/22/17 17:30	314.0	214659-IC207	09/23/17-06:46MCA

DQF Flags Definition:

b	The Blank was detected above method MDL for constituent but less than the PQL
h	The MS/MSD did not meet QC criteria.
l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.
I	Reported value is estimated due to RPD exceedance.
T	Exceeded method-specific holding time.

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 11, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW09
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-007
Customer ID : 2-25173

Sampled On : September 13, 2017-13:20
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 504.1												
1,3-Dibromopropane‡	109	70-130		%	1.0027		504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-01:56SBL
DBCP	ND	0.01	0.0057	ug/L	1.0027	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-01:56SBL
EDB	ND	0.02	0.0027	ug/L	1.0027	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-01:56SBL
EPA 505												
Tetrachloro-m-xylene‡	87.0	70-130		%	1		505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Alachlor	ND	0.2	0.13	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Aldrin	ND	0.01	0.0040	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Chlordane	ND	0.1	0.041	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Dieldrin	ND	0.01	0.0024	ug/L	0.99648	Ub	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Endrin	ND	0.01	0.0054	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Heptachlor	ND	0.01	0.0026	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Heptachlor Epoxide	ND	0.01	0.0046	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Hexachlorobenzene	ND	0.01	0.0031	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Hexachlorocyclopentadiene	ND	0.1	0.027	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Methoxychlor	ND	0.1	0.0098	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
Toxaphene	ND	0.5	0.11	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
PCB 1016	ND	0.5	0.13	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
PCB 1221	ND	0.5	0.067	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
PCB 1232	ND	0.5	0.073	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL

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Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505												
PCB 1242	ND	0.5	0.14	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
PCB 1248	ND	0.5	0.15	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
PCB 1254	ND	0.5	0.026	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
PCB 1260	ND	0.5	0.12	ug/L	1	U	505	211014	09/13/17 20:00	505	213798-GC215	09/14/17-11:52SBL
EPA 507												
Triphenylphosphate‡	73.0	70-130		%	0.93458		507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Alachlor	ND	0.93	0.16	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Atrazine	ND	0.93	0.14	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Bromacil	ND	1.9	0.12	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Butachlor	ND	0.93	0.21	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Diazinon	ND	1.9	0.18	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Dimethoate	ND	1.9	0.089	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Metolachlor	ND	0.93	0.41	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Metribuzin	ND	0.47	0.24	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Molinate	ND	1.9	0.13	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Prometryne	ND	1.9	0.095	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Propachlor	ND	0.93	0.12	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Simazine	ND	0.93	0.16	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Thiobencarb	ND	0.93	0.15	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
Cyanazine	ND	0.93	0.11	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:00SG
EPA 515												
2,4-DCAA‡	92.4	70-130		%	1		515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	Ul	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-20:35SG
EPA 524.2												
4-Bromofluorobenzene‡	84.4	70-130		%	1		524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,2-Dichlorobenzene-d4‡	84.9	70-130		%	1		524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,3-Dichloropropene (Total)	ND	---	---	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uh	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Xylenes (Total)	ND	---	---	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
Total Trihalomethanes	ND	---	---	ug/L	1	U	524.2	211189	09/14/17 08:00	524.2	213994-GM215	09/14/17-22:38VRG
EPA 531.1												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:32SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:32SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:32SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:32SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:32SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:32SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:32SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:32SG
EPA 548.1												
Endothall	ND	40	16	ug/L	1	U	548.1	211274	09/19/17 15:28	548.1	214244-GC220	09/22/17-01:10SG
EPA 549												
Diquat	ND	2	0.12	ug/L	1	U	549	211268	09/19/17 14:11	549.2	214477-LC204	09/26/17-13:52SG
EPA 552.2												
2,3-Dibromopropionic Acid‡	104	70-130		%	1		552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-02:12SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-02:12SBL
Chloroacetic Acid	ND	2	0.28	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-02:12SBL
Dibromoacetic Acid	0.545	1	0.25	ug/L	1	J	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-02:12SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-02:12SBL
Trichloroacetic Acid	ND	1	0.39	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-02:12SBL
Haloacetic acids (five)	ND	---	---	ug/L	1	UJ	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-02:12SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 608												
Tetrachloro-m-xylene‡	21.2	15-143		%	0.93458		608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
Chlordane	ND	1.9	0.025	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
PCB 1221	ND	0.47	0.19	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
PCB 1248	ND	0.47	0.056	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-05:35SBL
EPA 624												
4-Bromofluorobenzene‡	103	70-161		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Fluorobenzene‡	99.6	72-139		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Pentafluorobenzene‡	110	59-151		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Ufh	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Chloroform	ND	0.5	0.045	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624												
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG
Xylenes	ND	---	---	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:27VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
2-Fluorobiphenyl‡	45.9	29-98		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2-Fluorophenol‡	48.2	23-105		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Nitrobenzene-d5‡	50.1	23-104		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Phenol-d6‡	49.1	26-102		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
p-Terphenyl-d14‡	55.2	29-93		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2,4,6-Tribromophenol‡	56.8	34-116		%	0.93458		625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Acenaphthene	ND	0.93	0.50	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Acenaphthylene	ND	0.93	0.39	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Anthracene	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Benzidine	ND	9.3	1.8	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Benzo(a)anthracene	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Benzo(a)pyrene	ND	0.93	0.40	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Benzo(b)fluoranthene	ND	0.93	0.37	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Benzo(g,h,i)perylene	ND	0.93	0.40	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Benzo(k)fluoranthene	ND	0.93	0.50	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
bis(2-Chloroethoxy)methane	ND	0.93	0.56	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
bis(2-Chloroethyl)ether	ND	0.93	0.52	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
bis(2-Chloroisopropyl)ether	ND	0.93	0.53	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
bis(2-Ethylhexyl)phthalate	ND	1.9	0.41	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
4-Bromophenylphenylether	ND	0.93	0.46	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2-Chloronaphthalene	ND	0.93	0.63	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
4-Chlorophenylphenylether	ND	0.93	0.62	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Chrysene	ND	0.93	0.51	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Dibenzo(a,h)anthracene	ND	0.93	0.37	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
1,2-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
1,3-Dichlorobenzene	ND	0.93	0.45	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
1,4-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
3,3'-Dichlorobenzidine	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Diethylphthalate	ND	0.93	0.34	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Dimethylphthalate	ND	0.93	0.31	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Di-n-butylphthalate	ND	1.9	0.35	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
4,6-Dinitro-2-methylphenol	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2,4-Dinitrotoluene	ND	0.93	0.49	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2,6-Dinitrotoluene	ND	0.93	0.55	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Di-n-octylphthalate	ND	0.93	0.31	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
1,2-Diphenylhydrazine	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Fluoranthene	ND	0.93	0.44	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Fluorene	ND	0.93	0.62	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Hexachlorobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Hexachlorobutadiene	ND	0.93	0.45	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Hexachlorocyclopentadiene	ND	0.93	0.24	ug/L	0.93458	UH	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Hexachloroethane	ND	0.93	0.43	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Indeno(1,2,3-c,d)pyrene	ND	0.93	0.38	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Isophorone	ND	0.93	0.41	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Naphthalene	ND	0.93	0.55	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Nitrobenzene	ND	0.93	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2-Nitrophenol	ND	1.9	1.1	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
N-Nitrosodi-n-propylamine	ND	0.93	0.53	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
N-Nitrosodiphenylamine	ND	0.93	0.74	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Phenanthrene	ND	0.93	0.018	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Phenol	ND	0.93	0.88	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
Pyrene	ND	0.93	0.46	ug/L	0.93458	UH	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
Pyridine	ND	9.3	0.32	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
1,2,4-Trichlorobenzene	ND	0.93	0.48	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2,4,6-Trichlorophenol	ND	0.93	0.90	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.93458	U	625	211226	09/19/17 13:30	625	214390-GM213	09/22/17-19:48SBL
EPA 625 Pest												
Aldrin	ND	4.7	0.91	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Beta BHC	ND	4.7	1.5	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Delta BHC	ND	4.7	1.8	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Dieldrin	ND	4.7	1.5	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Endrin	ND	4.7	1.3	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93458	U	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Endrin Ketone	ND	4.7	1.8	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Heptachlor	ND	4.7	1.8	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 625 Pest												
trans-Nonachlor	ND	47	1.2	ng/L	0.93458	UH	625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
Tetrachloro-m-xylene‡	70.1	26-90		%	0.93458		625P	211227	09/19/17 13:30	625P	214485-GM210	09/21/17-05:00SG
TOC												
TOC	0.343	0.5	0.15	mg/L	1		5310C	211306	09/20/17 10:39	5310C	214222-TC203	09/20/17-15:49AMM

DQF Flags Definition:

b	The Blank was detected above method MDL for constituent but less than the PQL
H	The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.
h	The MS/MSD did not meet QC criteria.
l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.
f	MS/MSD QC requirement met by BS/BSD due to limited sample volume.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 11, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW09
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-007
Customer ID : 2-25173

Sampled On : September 13, 2017-13:20
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Radio Chemistry											
Gross Alpha	3.79 ± 1.60	1.11	pCi/L	15		SM7110C	211691	09/28/17 17:40	SM7110C	214934-GP209	10/03/17-15:50RMM
Gross Beta	16.9 ± 4.81	6.80	pCi/L	50		900.0	211945	10/04/17 16:00	900.0	215207-GP220	10/07/17-10:10aat
Total Alpha Radium (226)	0.055 ± 0.132	0.363	pCi/L	3		903.0	211451	09/24/17 11:00	903.0	214650-GP215	09/27/17-13:00aat
Tritium	183 ± 264	434	pCi/L	20000		906.0	211140	09/16/17 05:47	906.0	213990-LS202	09/17/17-03:54elc
Uranium	0.749 ± 1.04	0.470	pCi/L	20		908.0	211488	09/25/17 11:02	908.0	214757-GP216	09/29/17-16:50aat
Ra 228	0.000 ± 0.603	0.384	pCi/L	2		Ra - 05	211578	10/01/17 14:00	Ra - 05	215054-GP217	10/05/17-19:30emv

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L

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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
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FAX: (559)734-8435
CA ELAP Certification No. 2810

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 11, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : SMBRP-13
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-010
Customer ID : 2-25173

Sampled On : September 13, 2017-10:40
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.100	0.1	0.032	mg/L	1		4500NO3F	210988	09/13/17 11:45	4500NO3F	213823-FI207	09/13/17-16:41JDD
Nitrite Nitrogen	0.0130	0.1	0.011	mg/L	1	J	4500NO2F	211006	09/13/17 11:45	4500NO3F	213776-FI207	09/13/17-16:39JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	hU	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-05:45AMB
Ammonia Nitrogen	0.605	0.2	0.072	mg/L	1	h	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-05:45AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	211581	09/27/17 06:15	EPA351.2	214612-FI206	09/28/17-09:00AMB
Phosphorus, Total	0.283	0.1	0.020	mg/L	1		4500-P B	211523	09/25/17 15:30	4500PE	214428-UV205	09/25/17-17:08SJN
Total Dissolved Solids (TFR)	6850	54	5.8	mg/L	2.6842	b	2540CE	211113	09/15/17 13:38	2540C	213966-WT219	09/18/17-05:53AMB

DQF Flags Definition:

b	The Blank was detected above method MDL for constituent but less than the PQL
h	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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October 11, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : CCPE
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711160-012
Customer ID : 2-25173

Sampled On : September 13, 2017-09:50
Sampled By : Matt P/Ryan S
Received On : September 13, 2017-15:40
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0900	0.1	0.032	mg/L	1	J	4500NO3F	210988	09/13/17 11:45	4500NO3F	213823-FI207	09/13/17-16:43JDD
Nitrite Nitrogen	0.0130	0.1	0.011	mg/L	1	J	4500NO2F	211006	09/13/17 11:45	4500NO3F	213776-FI207	09/13/17-16:40JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	JU	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-07:21AMB
Ammonia Nitrogen	0.168	0.2	0.072	mg/L	1	J	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-07:21AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	211532	09/26/17 06:25	EPA351.2	214612-FI206	09/28/17-08:30AMB
Phosphorus, Total	0.179	0.1	0.020	mg/L	1		4500-P B	211523	09/25/17 15:30	4500PE	214428-UV205	09/25/17-17:09SJN
Total Dissolved Solids (TFR)	7700	60	5.8	mg/L	3	b	2540CE	211113	09/15/17 13:38	2540C	213966-WT219	09/18/17-05:48AMB

DQF Flags Definition:

b	The Blank was detected above method MDL for constituent but less than the PQL
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dibromoethane(EDB)	504	09/20/17:211319SBL	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2623	106 %	70-130	
			LCS	ug/L	0.2472	102 %	70-130	
			MS	ug/L	0.2527	107 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.2593	110 %	70-130	
			MSRPD	ug/L	0.6086	5.5%	≤30	
			QMDL	ug/L	0.02001	110 %	60-140	
1,3-Dibromopropane	504	09/20/17:211319SBL	Blank	ug/L	0.5987	101 %	70-130	
			LCS	ug/L	0.6157	129 %	70-130	
			LCS	ug/L	0.5803	112 %	70-130	
			MS	ug/L	0.5930	122 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.6086	133 %	70-130	435
			MSRPD	ug/L	0.6086	11.8%	≤30	
			QMDL	ug/L	0.5913	113 %	70-130	
DBCP	504	09/20/17:211319SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.2623	120 %	70-130	
			LCS	ug/L	0.2472	110 %	70-130	
			MS	ug/L	0.2527	73.1 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.2593	128 %	70-130	
			MSRPD	ug/L	0.6086	17.5%	≤30	
			QMDL	ug/L	0.02001	121 %	60-140	
13DBP	504.1	09/22/17:214159SBL	CCV	ug/L	7.481	128 %	70-130	
			CCV	ug/L	9.975	126 %	70-130	
			CCV	ug/L	7.481	101 %	70-130	
DBCP	504.1	09/22/17:214159SBL	CCV	ug/L	2.000	113 %	70-130	
			CCV	ug/L	5.000	117 %	70-130	
			CCV	ug/L	2.000	86.0 %	70-130	
EDB	504.1	09/22/17:214159SBL	CCV	ug/L	2.000	92.5 %	70-130	
			CCV	ug/L	5.000	101 %	70-130	
			CCV	ug/L	2.000	81.0 %	70-130	
Alachlor	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.2	
			LCS	ug/L	5.824	89.8 %	84-135	
			BS	ug/L	5.802	91.9 %	73-137	
			BSD	ug/L	5.754	87.8 %	73-137	
			BSRPD	ug/L	1.152	5.5%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	100.0	86.3 %	70-130	
			CCV	ug/L	150.0	97.9 %	70-130	
Aldrin	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.075	
			LCS	ug/L	0.5824	85.3 %	69-134	
			BS	ug/L	0.5802	85.4 %	21-166	
			BSD	ug/L	0.5754	84.2 %	21-166	
			BSRPD	ug/L	1.152	2.2%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	10.00	81.0 %	70-130	
			CCV	ug/L	15.00	94.2 %	70-130	
Chlordane	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.1	
Dieldrin	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5824	85.3 %	82-131	
			BS	ug/L	0.5802	83.2 %	66-141	
			BSD	ug/L	0.5754	80.4 %	66-141	
			BSRPD	ug/L	1.152	4.3%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	10.00	78.0 %	70-130	
			CCV	ug/L	15.00	90.7 %	70-130	
Endrin	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5824	84.2 %	83-120	
			BS	ug/L	0.5802	81.1 %	58-134	

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October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Endrin	505	09/13/17:211014SBL	BSD	ug/L	0.5754	72.9 %	58-134	
			BSRPD	ug/L	1.152	11.4%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	10.00	77.0 %	70-130	
			CCV	ug/L	15.00	91.5 %	70-130	
Heptachlor	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5824	85.0 %	71-131	
			BS	ug/L	0.5802	86.2 %	73-135	
			BSD	ug/L	0.5754	83.6 %	73-135	
			BSRPD	ug/L	1.152	3.8%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	10.00	80.9 %	70-130	
			CCV	ug/L	15.00	94.9 %	70-130	
Heptachlor Epoxide	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5824	77.1 %	75-129	
			BS	ug/L	0.5802	75.5 %	65-134	
			BSD	ug/L	0.5754	72.5 %	65-134	
			BSRPD	ug/L	1.152	5.0%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	10.00	70.0 %	70-130	
			CCV	ug/L	15.00	82.5 %	70-130	
Hexachlorobenzene	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5824	83.5 %	69-134	
			BS	ug/L	0.5802	85.2 %	71-136	
			BSD	ug/L	0.5754	83.8 %	71-136	
			BSRPD	ug/L	1.152	2.4%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	10.00	81.3 %	70-130	
			CCV	ug/L	15.00	93.8 %	70-130	
Hexachlorocyclopentadiene	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.1	
			LCS	ug/L	0.5824	87.9 %	48-144	
			BS	ug/L	0.5802	92.4 %	60-152	
			BSD	ug/L	0.5754	90.2 %	60-152	
			BSRPD	ug/L	1.152	3.2%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	10.00	89.0 %	70-130	
			CCV	ug/L	15.00	109 %	70-130	
Lindane	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5824	109 %	76-131	
			BS	ug/L	0.5802	109 %	72-132	
			BSD	ug/L	0.5754	106 %	72-132	
			BSRPD	ug/L	1.152	4.2%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	10.00	99.6 %	70-130	
			CCV	ug/L	15.00	116 %	70-130	
Methoxychlor	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.912	82.7 %	73-137	
			BS	ug/L	2.901	82.8 %	59-145	
			BSD	ug/L	2.877	71.5 %	59-145	
			BSRPD	ug/L	1.152	15.5%	≤30	
	505	09/14/17:213798SBL	CCV	ug/L	50.00	80.2 %	70-130	
			CCV	ug/L	75.00	96.9 %	70-130	
PCB 1016/1242 - 1	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.5	
PCB 1242	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	505	09/13/17:211014SBL	Blank	ug/L	1.212	83.8 %	70-130	

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Tetrachloro-m-xylene	505	09/13/17:211014SBL	LCS	ug/L	1.166	97.0 %	70-130	
			BS	ug/L	1.162	100 %	N/A	
			BSD	ug/L	1.152	104 %	N/A	
			BSRPD	ug/L	1.152	2.5%	≤30.0	
	505	09/14/17:213798SBL	CCV	ug/L	10.01	206 %	70-130	362
			CCV	ug/L	20.02	164 %	70-130	362
Toxaphene	505	09/13/17:211014SBL	Blank	ug/L		ND	<0.5	
Alachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	91.8 %	70-130	
			BS	ug/L	2.500	98.4 %	47-147	
			BSD	ug/L	2.500	110 %	47-147	
			BSRPD	ug/L	12.50	0.29	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	90.4 %	80-120	
Atrazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	95.9 %	70-130	
			BS	ug/L	2.500	101 %	52-154	
			BSD	ug/L	2.500	94.5 %	52-154	
			BSRPD	ug/L	12.50	0.17	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	89.0 %	80-120	
Bromacil	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	99.5 %	70-130	
			BS	ug/L	2.500	113 %	38-170	
			BSD	ug/L	2.500	81.6 %	38-170	
			BSRPD	ug/L	12.50	0.79	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
Butachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<0.38	
			LCS	ug/L	2.500	84.2 %	70-130	
			BS	ug/L	2.500	96.3 %	37-150	
			BSD	ug/L	2.500	93.5 %	37-150	
			BSRPD	ug/L	12.50	2.9%	≤53.8	
	507	09/29/17:214644SG	CCV	ug/L	500.0	94.8 %	80-120	
Cyanazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	97.7 %	70-130	
			BS	ug/L	2.500	113 %	41-152	
			BSD	ug/L	2.500	90.5 %	41-152	
			BSRPD	ug/L	12.50	21.9%	≤30	
	507	09/29/17:214644SG	CCV	ug/L	500.0	114 %	80-120	
Diazinon	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	83.7 %	70-130	
			BS	ug/L	2.500	89.1 %	56-128	
			BSD	ug/L	2.500	94.0 %	56-128	
			BSRPD	ug/L	12.50	0.12	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	93.3 %	80-120	
Dimethoate	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	83.1 %	70-130	
			BS	ug/L	2.500	90.8 %	49-168	
			BSD	ug/L	2.500	81.0 %	49-168	
			BSRPD	ug/L	12.50	0.25	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
EPN/Triphenylphosphate	507	09/26/17:211540caa	Blank	ug/L	12.50	75.2 %	70-130	
			LCS	ug/L	12.50	73.0 %	70-130	
			BS	ug/L	12.50	92.2 %	70-130	
			BSD	ug/L	12.50	74.4 %	70-130	
			BSRPD	ug/L	12.50	21.3%	≤30	

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Metolachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	94.7 %	70-130	
			BS	ug/L	2.500	101 %	45-154	
			BSD	ug/L	2.500	89.5 %	45-154	
			BSRPD	ug/L	12.50	0.28	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
Metribuzin	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	81.6 %	70-130	
			BS	ug/L	2.500	87.3 %	30-169	
			BSD	ug/L	2.500	85.3 %	30-169	
			BSRPD	ug/L	12.50	0.049	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	91.6 %	80-120	
Molinate	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	107 %	70-130	
			BS	ug/L	2.500	113 %	19-191	
			BSD	ug/L	2.500	108 %	19-191	
			BSRPD	ug/L	12.50	0.12	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	84.7 %	80-120	
Prometryne	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	91.4 %	70-130	
			BS	ug/L	2.500	99.8 %	44-152	
			BSD	ug/L	2.500	84.0 %	44-152	
			BSRPD	ug/L	12.50	0.39	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	95.2 %	80-120	
Propachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	95.2 %	70-130	
			BS	ug/L	2.500	96.5 %	36-179	
			BSD	ug/L	2.500	98.7 %	36-179	
			BSRPD	ug/L	12.50	0.056	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	88.8 %	80-120	
Simazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	99.7 %	70-130	
			BS	ug/L	2.500	105 %	49-167	
			BSD	ug/L	2.500	89.7 %	49-167	
			BSRPD	ug/L	12.50	0.38	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	100 %	80-120	
Thiobencarb	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	94.9 %	70-130	
			BS	ug/L	2.500	95.4 %	50-148	
			BSD	ug/L	2.500	81.9 %	50-148	
			BSRPD	ug/L	12.50	0.34	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	85.6 %	80-120	
Triphenylphosphate	507	09/29/17:214644SG	CCV	ug/L	2500	115 %	80-120	
2,4,5-T	515.3	09/25/17:214317SG	CCV	ug/L	40.00	87.9 %	70-130	
			CCV	ug/L	80.00	76.6 %	70-130	
2,4,5-TP (Silvex)	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	75.7 %	70-130	
			MS	ug/L	4.000	67.4 %	70-130	435
		(SP 1711160-002)	MSD	ug/L	4.000	74.8 %	70-130	
			MSRPD	ug/L	20.00	0.30	≤1	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	75.6 %	70-130	
			CCV	ug/L	80.00	73.8 %	70-130	
2,4,5-Trichlorophenoxyacetic A	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	96.6 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,4,5-Trichlorophenoxyacetic A	515.3		MS	ug/L	4.000	78.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	86.6 %	70-130	
			MSRPD	ug/L	20.00	0.35	≤1	
2,4-D	515.3	09/21/17:211389SG	Blank	ug/L		ND	<2	
			LCS	ug/L	8.000	120 %	70-130	
			MS	ug/L	8.000	81.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	88.7 %	70-130	
			MSRPD	ug/L	20.00	0.62	≤2	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	116 %	70-130	
			CCV	ug/L	160.0	73.9 %	70-130	
2,4-DCAA	515.3	09/21/17:211389SG	Blank	ug/L	20.00	87.7 %	70-130	
			LCS	ug/L	20.00	97.2 %	70-130	
			MS	ug/L	20.00	75.6 %	N/A	
		(SP 1711160-002)	MSD	ug/L	20.00	81.5 %	N/A	
			MSRPD	ug/L	20.00	7.6%	≤30.	
	515.3	09/25/17:214317SG	CCV	ug/L	200.0	86.8 %	70-130	
			CCV	ug/L	400.0	75.1 %	70-130	
Bentazon	515.3	09/21/17:211389SG	Blank	ug/L		ND	<2	
			LCS	ug/L	8.000	82.9 %	70-130	
			MS	ug/L	8.000	71.9 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	77.8 %	70-130	
			MSRPD	ug/L	20.00	0.47	≤2	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	87.0 %	70-130	
			CCV	ug/L	160.0	81.4 %	70-130	
Dalapon	515.3	09/21/17:211389SG	Blank	ug/L		ND	<10	
			LCS	ug/L	52.00	85.8 %	70-130	
			MS	ug/L	52.00	87.4 %	70-130	
		(SP 1711160-002)	MSD	ug/L	52.00	101 %	70-130	
			MSRPD	ug/L	20.00	7.0	≤10	
	515.3	09/25/17:214317SG	CCV	ug/L	520.0	98.4 %	70-130	
			CCV	ug/L	1040	90.9 %	70-130	
Dicamba	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	92.2 %	70-130	
			MS	ug/L	4.000	88.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	97.1 %	70-130	
			MSRPD	ug/L	20.00	0.36	≤1	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	80.0 %	70-130	
			CCV	ug/L	80.00	88.5 %	70-130	
Dinoseb	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	8.000	109 %	70-130	
			MS	ug/L	8.000	83.2 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	91.1 %	70-130	
			MSRPD	ug/L	20.00	9.1%	≤30.0	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	90.4 %	70-130	
			CCV	ug/L	160.0	80.8 %	70-130	
Pentachlorophenol	515.3	09/21/17:211389SG	Blank	ug/L		ND	<0.2	
			LCS	ug/L	4.000	82.9 %	70-130	
			MS	ug/L	4.000	71.5 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	78.7 %	70-130	
			MSRPD	ug/L	20.00	9.6%	≤30.0	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	81.2 %	70-130	
			CCV	ug/L	80.00	75.0 %	70-130	
Picloram	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	121 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Picloram	515.3		MS	ug/L	4.000	96.5 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	108 %	70-130	
			MSRPD	ug/L	20.00	0.47	≤1	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	112 %	70-130	
			CCV	ug/L	80.00	76.7 %	70-130	
1,1,1,2-Tetrachloroethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	12-178	
		(CC 1783489-001)	MSD	ug/L	10.00	125 %	12-178	
			MSRPD	ug/L	10.00	4.5%	≤39	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	106 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	12-178	
		(SP 1711160-004)	MSD	ug/L	10.00	106 %	12-178	
			MSRPD	ug/L	10.00	19.4%	≤39	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	110 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	12-178	
		(SP 1711602-001)	MSD	ug/L	10.00	123 %	12-178	
			MSRPD	ug/L	10.00	9.8%	≤39	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	107 %	70-130	
1,1,1-Trichloroethane(TCA)	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	139 %	9-176	
		(CC 1783489-001)	MSD	ug/L	10.00	146 %	9-176	
			MSRPD	ug/L	10.00	4.9%	≤33	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	109 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	149 %	9-176	
		(SP 1711160-004)	MSD	ug/L	10.00	121 %	9-176	
			MSRPD	ug/L	10.00	20.4%	≤33	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	114 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	9-176	
		(SP 1711602-001)	MSD	ug/L	10.00	154 %	9-176	
			MSRPD	ug/L	10.00	15.6%	≤33	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	119 %	70-130	
1,1,2,2-Tetrachloroethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	130 %	23-180	
		(CC 1783489-001)	MSD	ug/L	10.00	133 %	23-180	
			MSRPD	ug/L	10.00	2.8%	≤34	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	124 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	142 %	23-180	
		(SP 1711160-004)	MSD	ug/L	10.00	116 %	23-180	
			MSRPD	ug/L	10.00	20.4%	≤34	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	144 %	70-130	360
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	23-180	
		(SP 1711602-001)	MSD	ug/L	10.00	139 %	23-180	
			MSRPD	ug/L	10.00	10.6%	≤34	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	131 %	70-130	360
1,1,2-Trichloroethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	25-173	
		(CC 1783489-001)	MSD	ug/L	10.00	123 %	25-173	
			MSRPD	ug/L	10.00	4.0%	≤29	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,1,2-Trichloroethane	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	118 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	136 %	25-173	
		(SP 1711160-004)	MSD	ug/L	10.00	113 %	25-173	
			MSRPD	ug/L	10.00	18.3%	≤29	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	125 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	25-173	
		(SP 1711602-001)	MSD	ug/L	10.00	131 %	25-173	
			MSRPD	ug/L	10.00	12.7%	≤29	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	121 %	70-130	
1,1-Dichloroethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	15-161	
		(CC 1783489-001)	MSD	ug/L	10.00	137 %	15-161	
			MSRPD	ug/L	10.00	6.2%	≤36	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	112 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	136 %	15-161	
		(SP 1711160-004)	MSD	ug/L	10.00	111 %	15-161	
			MSRPD	ug/L	10.00	20.0%	≤36	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	111 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	15-161	
		(SP 1711602-001)	MSD	ug/L	10.00	140 %	15-161	
			MSRPD	ug/L	10.00	13.4%	≤36	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	115 %	70-130	
1,1-Dichloroethylene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	139 %	0-162	
		(CC 1783489-001)	MSD	ug/L	10.00	145 %	0-162	
			MSRPD	ug/L	10.00	3.9%	≤33	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	103 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	0-162	
		(SP 1711160-004)	MSD	ug/L	10.00	102 %	0-162	
			MSRPD	ug/L	10.00	18.3%	≤33	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	93.9 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	124 %	0-162	
		(SP 1711602-001)	MSD	ug/L	10.00	153 %	0-162	
			MSRPD	ug/L	10.00	21.0%	≤33	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	116 %	70-130	
1,1-Dichloropropene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	124 %	0-171	
		(CC 1783489-001)	MSD	ug/L	10.00	133 %	0-171	
			MSRPD	ug/L	10.00	7.0%	≤31	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	94.0 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	130 %	0-171	
		(SP 1711160-004)	MSD	ug/L	10.00	108 %	0-171	
			MSRPD	ug/L	10.00	18.6%	≤31	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	96.5 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	0-171	
		(SP 1711602-001)	MSD	ug/L	10.00	138 %	0-171	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,1-Dichloropropene	524.2	09/25/17:211594VRG	MSRPD	ug/L	10.00	21.0%	≤31	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	102 %	70-130	
1,2,3-Trichlorobenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	14-181	
		(CC 1783489-001)	MSD	ug/L	10.00	119 %	14-181	
			MSRPD	ug/L	10.00	0.1%	≤34	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	111 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	14-181	
		(SP 1711160-004)	MSD	ug/L	10.00	100 %	14-181	
			MSRPD	ug/L	10.00	12.7%	≤34	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	113 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	14-181	
		(SP 1711602-001)	MSD	ug/L	10.00	120 %	14-181	
			MSRPD	ug/L	10.00	17.0%	≤34	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	106 %	70-130	
1,2,4-Trichlorobenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	10-180	
		(CC 1783489-001)	MSD	ug/L	10.00	101 %	10-180	
			MSRPD	ug/L	10.00	2.0%	≤32	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	92.6 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	94.8 %	10-180	
		(SP 1711160-004)	MSD	ug/L	10.00	86.7 %	10-180	
			MSRPD	ug/L	10.00	8.9%	≤32	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	89.0 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	87.7 %	10-180	
		(SP 1711602-001)	MSD	ug/L	10.00	106 %	10-180	
			MSRPD	ug/L	10.00	19.0%	≤32	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	87.1 %	70-130	
1,2,4-Trimethylbenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	2-192	
		(CC 1783489-001)	MSD	ug/L	10.00	132 %	2-192	
			MSRPD	ug/L	10.00	3.3%	≤39	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	108 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	2-192	
		(SP 1711160-004)	MSD	ug/L	10.00	101 %	2-192	
			MSRPD	ug/L	10.00	18.3%	≤39	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	111 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	2-192	
		(SP 1711602-001)	MSD	ug/L	10.00	131 %	2-192	
			MSRPD	ug/L	10.00	19.1%	≤39	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	111 %	70-130	
1,2-Dichlorobenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	13-191	
		(CC 1783489-001)	MSD	ug/L	10.00	126 %	13-191	
			MSRPD	ug/L	10.00	1.0%	≤35	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	115 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	13-191	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene	524.2	(SP 1711160-004)	MSD	ug/L	10.00	112 %	13-191	
			MSRPD	ug/L	10.00	13.4%	≤35	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	114 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	13-191	
		(SP 1711602-001)	MSD	ug/L	10.00	131 %	13-191	
			MSRPD	ug/L	10.00	12.3%	≤35	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	113 %	70-130	
1,2-Dichlorobenzene-d4	524.2	09/14/17:211189VRG	Blank	ug/L	10.00	87.8 %	70-130	
			MS	ug/L	10.00	109 %	70-130	
		(CC 1783489-001)	MSD	ug/L	10.00	106 %	70-130	
			MSRPD	ug/L	10.00	2.5%	≤20	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	105 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L	10.00	88.5 %	70-130	
			MS	ug/L	10.00	105 %	70-130	
		(SP 1711160-004)	MSD	ug/L	10.00	105 %	70-130	
			MSRPD	ug/L	10.00	0.1%	≤20	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	104 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L	10.00	94.9 %	70-130	
			MS	ug/L	10.00	113 %	70-130	
		(SP 1711602-001)	MSD	ug/L	10.00	112 %	70-130	
			MSRPD	ug/L	10.00	0.7%	≤20	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	110 %	70-130	
1,2-Dichloroethane (EDC)	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	18-162	
		(CC 1783489-001)	MSD	ug/L	10.00	129 %	18-162	
			MSRPD	ug/L	10.00	4.3%	≤33	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	116 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	18-162	
		(SP 1711160-004)	MSD	ug/L	10.00	111 %	18-162	
			MSRPD	ug/L	10.00	19.1%	≤33	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	121 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	18-162	
		(SP 1711602-001)	MSD	ug/L	10.00	131 %	18-162	
			MSRPD	ug/L	10.00	9.9%	≤33	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	118 %	70-130	
1,2-Dichloropropane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	10-163	
		(CC 1783489-001)	MSD	ug/L	10.00	128 %	10-163	
			MSRPD	ug/L	10.00	6.1%	≤34	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	110 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	130 %	10-163	
		(SP 1711160-004)	MSD	ug/L	10.00	110 %	10-163	
			MSRPD	ug/L	10.00	16.7%	≤34	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	112 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	10-163	
		(SP 1711602-001)	MSD	ug/L	10.00	134 %	10-163	
			MSRPD	ug/L	10.00	14.5%	≤34	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	115 %	70-130	
1,3,5-Trimethylbenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,3,5-Trimethylbenzene	524.2		MS	ug/L	10.00	125 %	0-210	
		(CC 1783489-001)	MSD	ug/L	10.00	131 %	0-210	
			MSRPD	ug/L	10.00	4.1%	≤40	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	103 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	0-210	
		(SP 1711160-004)	MSD	ug/L	10.00	108 %	0-210	
			MSRPD	ug/L	10.00	17.0%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	109 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	0-210	
		(SP 1711602-001)	MSD	ug/L	10.00	129 %	0-210	
			MSRPD	ug/L	10.00	18.4%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	109 %	70-130	
1,3-Dichlorobenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	124 %	17-182	
		(CC 1783489-001)	MSD	ug/L	10.00	127 %	17-182	
			MSRPD	ug/L	10.00	2.9%	≤39	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	111 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	17-182	
		(SP 1711160-004)	MSD	ug/L	10.00	112 %	17-182	
			MSRPD	ug/L	10.00	15.8%	≤39	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	111 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	17-182	
		(SP 1711602-001)	MSD	ug/L	10.00	130 %	17-182	
			MSRPD	ug/L	10.00	14.9%	≤39	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	112 %	70-130	
1,3-Dichloropropane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	124 %	0-178	
		(CC 1783489-001)	MSD	ug/L	10.00	127 %	0-178	
			MSRPD	ug/L	10.00	2.2%	≤29	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	116 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	136 %	0-178	
		(SP 1711160-004)	MSD	ug/L	10.00	113 %	0-178	
			MSRPD	ug/L	10.00	18.7%	≤29	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	125 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	0-178	
		(SP 1711602-001)	MSD	ug/L	10.00	130 %	0-178	
			MSRPD	ug/L	10.00	13.6%	≤29	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	119 %	70-130	
1,4-Dichlorobenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	19-183	
		(CC 1783489-001)	MSD	ug/L	10.00	133 %	19-183	
			MSRPD	ug/L	10.00	0.4%	≤37	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	120 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	140 %	19-183	
		(SP 1711160-004)	MSD	ug/L	10.00	118 %	19-183	
			MSRPD	ug/L	10.00	16.8%	≤37	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	117 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,4-Dichlorobenzene	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	19-183	
		(SP 1711602-001)	MSD	ug/L	10.00	137 %	19-183	
			MSRPD	ug/L	10.00	12.6%	≤37	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	120 %	70-130	
2,2-Dichloropropane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	130 %	0-288	
		(CC 1783489-001)	MSD	ug/L	10.00	140 %	0-288	
			MSRPD	ug/L	10.00	7.5%	≤33	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	101 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	0-288	
		(SP 1711160-004)	MSD	ug/L	10.00	114 %	0-288	
			MSRPD	ug/L	10.00	14.6%	≤33	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	102 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	0-288	
		(SP 1711602-001)	MSD	ug/L	10.00	147 %	0-288	
			MSRPD	ug/L	10.00	18.0%	≤33	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	111 %	70-130	
2-Chlorotoluene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	17-180	
		(CC 1783489-001)	MSD	ug/L	10.00	131 %	17-180	
			MSRPD	ug/L	10.00	4.6%	≤38	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	108 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	137 %	17-180	
		(SP 1711160-004)	MSD	ug/L	10.00	111 %	17-180	
			MSRPD	ug/L	10.00	20.7%	≤38	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	110 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	117 %	17-180	
		(SP 1711602-001)	MSD	ug/L	10.00	134 %	17-180	
			MSRPD	ug/L	10.00	14.2%	≤38	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	111 %	70-130	
4-Bromofluorobenzene	524.2	09/14/17:211189VRG	Blank	ug/L	10.00	87.1 %	70-130	
			MS	ug/L	10.00	108 %	70-130	
		(CC 1783489-001)	MSD	ug/L	10.00	108 %	70-130	
			MSRPD	ug/L	10.00	0.3%	≤30	
	524.2	09/18/17:211272VRG	Blank	ug/L	10.00	88.8 %	70-130	
			MS	ug/L	10.00	107 %	70-130	
		(SP 1711160-004)	MSD	ug/L	10.00	108 %	70-130	
			MSRPD	ug/L	10.00	1.1%	≤30	
	524.2	09/25/17:211594VRG	Blank	ug/L	10.00	92.4 %	70-130	
			MS	ug/L	10.00	115 %	70-130	
		(SP 1711602-001)	MSD	ug/L	10.00	114 %	70-130	
			MSRPD	ug/L	10.00	0.5%	≤30	
4-Bromofluorobenzene (BFB)	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	107 %	70-130	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	104 %	70-130	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	112 %	70-130	
4-Chlorotoluene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	11-177	
		(CC 1783489-001)	MSD	ug/L	10.00	135 %	11-177	
			MSRPD	ug/L	10.00	4.4%	≤41	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
4-Chlorotoluene	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	112 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	139 %	11-177	
		(SP 1711160-004)	MSD	ug/L	10.00	116 %	11-177	
			MSRPD	ug/L	10.00	18.1%	≤41	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	115 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	117 %	11-177	
		(SP 1711602-001)	MSD	ug/L	10.00	137 %	11-177	
			MSRPD	ug/L	10.00	15.3%	≤41	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	115 %	70-130	
Benzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	12-158	
		(CC 1783489-001)	MSD	ug/L	10.00	133 %	12-158	
			MSRPD	ug/L	10.00	7.5%	≤36	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	106 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	12-158	
		(SP 1711160-004)	MSD	ug/L	10.00	109 %	12-158	
			MSRPD	ug/L	10.00	18.2%	≤36	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	106 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	12-158	
		(SP 1711602-001)	MSD	ug/L	10.00	135 %	12-158	
			MSRPD	ug/L	10.00	15.9%	≤36	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	110 %	70-130	
Bromobenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	23-177	
		(CC 1783489-001)	MSD	ug/L	10.00	120 %	23-177	
			MSRPD	ug/L	10.00	3.2%	≤40	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	105 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	23-177	
		(SP 1711160-004)	MSD	ug/L	10.00	104 %	23-177	
			MSRPD	ug/L	10.00	15.3%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	108 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	106 %	23-177	
		(SP 1711602-001)	MSD	ug/L	10.00	121 %	23-177	
			MSRPD	ug/L	10.00	13.3%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	107 %	70-130	
Bromochloromethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	117 %	4-186	
		(CC 1783489-001)	MSD	ug/L	10.00	125 %	4-186	
			MSRPD	ug/L	10.00	7.2%	≤30	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	111 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	4-186	
		(SP 1711160-004)	MSD	ug/L	10.00	104 %	4-186	
			MSRPD	ug/L	10.00	20.2%	≤30	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	109 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	4-186	
		(SP 1711602-001)	MSD	ug/L	10.00	126 %	4-186	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Bromochloromethane	524.2	09/25/17:211594VRG	MSRPD	ug/L	10.00	11.0%	≤30	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	113 %	70-130	
Bromodichloromethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	138 %	11-164	
		(CC 1783489-001)	MSD	ug/L	10.00	143 %	11-164	
			MSRPD	ug/L	10.00	4.1%	≤34	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	113 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	147 %	11-164	
		(SP 1711160-004)	MSD	ug/L	10.00	122 %	11-164	
			MSRPD	ug/L	10.00	18.4%	≤34	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	129 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	124 %	11-164	
		(SP 1711602-001)	MSD	ug/L	10.00	143 %	11-164	
			MSRPD	ug/L	10.00	14.5%	≤34	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	114 %	70-130	
Bromoform	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	0-235	
		(CC 1783489-001)	MSD	ug/L	10.00	125 %	0-235	
			MSRPD	ug/L	10.00	0.6%	≤39	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	82.9 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	130 %	0-235	
		(SP 1711160-004)	MSD	ug/L	10.00	100 %	0-235	
			MSRPD	ug/L	10.00	26.1%	≤39	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	130 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	96.7 %	0-235	
		(SP 1711602-001)	MSD	ug/L	10.00	118 %	0-235	
			MSRPD	ug/L	10.00	19.5%	≤39	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	82.1 %	70-130	
Bromomethane (Methyl Bromide)	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	46.3 %	0-196	
		(CC 1783489-001)	MSD	ug/L	40.00	53.1 %	0-196	
			MSRPD	ug/L	10.00	13.7%	≤40	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	176 %	70-130	360
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	69.8 %	0-196	
		(SP 1711160-004)	MSD	ug/L	40.00	53.1 %	0-196	
			MSRPD	ug/L	10.00	27.2%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	173 %	70-130	360
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	48.5 %	0-196	
		(SP 1711602-001)	MSD	ug/L	40.00	57.1 %	0-196	
			MSRPD	ug/L	10.00	16.2%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	170 %	70-130	360
Carbon Tetrachloride	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	138 %	5-175	
		(CC 1783489-001)	MSD	ug/L	10.00	142 %	5-175	
			MSRPD	ug/L	10.00	3.2%	≤32	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	103 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	139 %	5-175	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Carbon Tetrachloride	524.2	(SP 1711160-004)	MSD	ug/L	10.00	117 %	5-175	
			MSRPD	ug/L	10.00	17.4%	≤32	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	111 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	5-175	
		(SP 1711602-001)	MSD	ug/L	10.00	147 %	5-175	
			MSRPD	ug/L	10.00	15.8%	≤32	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	111 %	70-130	
Chlorobenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	14-175	
		(CC 1783489-001)	MSD	ug/L	10.00	122 %	14-175	
			MSRPD	ug/L	10.00	6.8%	≤35	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	98.1 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	14-175	
		(SP 1711160-004)	MSD	ug/L	10.00	103 %	14-175	
			MSRPD	ug/L	10.00	16.5%	≤35	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	102 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	106 %	14-175	
		(SP 1711602-001)	MSD	ug/L	10.00	121 %	14-175	
			MSRPD	ug/L	10.00	13.4%	≤35	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	102 %	70-130	
Chloroethane (Ethyl Chloride)	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	51.1 %	0-184	
		(CC 1783489-001)	MSD	ug/L	40.00	58.7 %	0-184	
			MSRPD	ug/L	10.00	14.0%	≤40	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	181 %	70-130	360
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	76.0 %	0-184	
		(SP 1711160-004)	MSD	ug/L	40.00	56.4 %	0-184	
			MSRPD	ug/L	10.00	29.6%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	177 %	70-130	360
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	53.2 %	0-184	
		(SP 1711602-001)	MSD	ug/L	40.00	63.6 %	0-184	
			MSRPD	ug/L	10.00	17.9%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	177 %	70-130	360
Chloroform	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	15-163	
		(CC 1783489-001)	MSD	ug/L	10.00	140 %	15-163	
			MSRPD	ug/L	10.00	4.3%	≤36	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	119 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	142 %	15-163	
		(SP 1711160-004)	MSD	ug/L	10.00	119 %	15-163	
			MSRPD	ug/L	10.00	18.1%	≤36	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	119 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	15-163	
		(SP 1711602-001)	MSD	ug/L	10.00	146 %	15-163	
			MSRPD	ug/L	10.00	14.2%	≤36	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	124 %	70-130	
Chloromethane(Methyl Chloride)	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Chloromethane(Methyl Chloride)	524.2		MS	ug/L	40.00	35.8 %	0-224	
		(CC 1783489-001)	MSD	ug/L	40.00	41.1 %	0-224	
			MSRPD	ug/L	10.00	13.8%	≤39	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	133 %	70-130	360
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	63.0 %	0-224	
		(SP 1711160-004)	MSD	ug/L	40.00	45.5 %	0-224	
			MSRPD	ug/L	10.00	32.4%	≤39	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	149 %	70-130	360
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	42.5 %	0-224	
		(SP 1711602-001)	MSD	ug/L	40.00	52.7 %	0-224	
			MSRPD	ug/L	10.00	21.5%	≤39	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	159 %	70-130	360
cis-1,2-Dichloroethylene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	16-172	
		(CC 1783489-001)	MSD	ug/L	10.00	128 %	16-172	
			MSRPD	ug/L	10.00	6.9%	≤34	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	107 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	16-172	
		(SP 1711160-004)	MSD	ug/L	10.00	112 %	16-172	
			MSRPD	ug/L	10.00	13.5%	≤34	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	102 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	16-172	
		(SP 1711602-001)	MSD	ug/L	10.00	131 %	16-172	
			MSRPD	ug/L	10.00	14.4%	≤34	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	109 %	70-130	
cis-1,3-Dichloropropene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.550	120 %	5-158	
		(CC 1783489-001)	MSD	ug/L	9.550	127 %	5-158	
			MSRPD	ug/L	10.00	5.2%	≤38	
	524.2	09/14/17:213994VRG	CCV	ug/L	9.550	106 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.550	123 %	5-158	
		(SP 1711160-004)	MSD	ug/L	9.550	96.0 %	5-158	
			MSRPD	ug/L	10.00	24.9%	≤38	
	524.2	09/18/17:214179VRG	CCV	ug/L	9.550	109 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.550	99.9 %	5-158	
		(SP 1711602-001)	MSD	ug/L	9.550	123 %	5-158	
			MSRPD	ug/L	10.00	21.0%	≤38	
	524.2	09/25/17:214521VRG	CCV	ug/L	9.550	103 %	70-130	
Dibromochloromethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	117 %	1-180	
		(CC 1783489-001)	MSD	ug/L	10.00	122 %	1-180	
			MSRPD	ug/L	10.00	3.7%	≤34	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	85.4 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	1-180	
		(SP 1711160-004)	MSD	ug/L	10.00	101 %	1-180	
			MSRPD	ug/L	10.00	21.6%	≤34	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	117 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Dibromochloromethane	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	100 %	1-180	
		(SP 1711602-001)	MSD	ug/L	10.00	116 %	1-180	
			MSRPD	ug/L	10.00	15.2%	≤34	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	88.3 %	70-130	
Dibromomethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	11-168	
		(CC 1783489-001)	MSD	ug/L	10.00	116 %	11-168	
			MSRPD	ug/L	10.00	0.5%	≤28	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	117 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	11-168	
		(SP 1711160-004)	MSD	ug/L	10.00	106 %	11-168	
			MSRPD	ug/L	10.00	18.3%	≤28	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	118 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	11-168	
		(SP 1711602-001)	MSD	ug/L	10.00	127 %	11-168	
			MSRPD	ug/L	10.00	12.1%	≤28	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	115 %	70-130	
Dichlorodifluoromethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	26.3 %	0-334	
		(CC 1783489-001)	MSD	ug/L	40.00	31.0 %	0-334	
			MSRPD	ug/L	10.00	16.4%	≤39	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	89.7 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	74.6 %	0-334	
		(SP 1711160-004)	MSD	ug/L	40.00	47.6 %	0-334	
			MSRPD	ug/L	10.00	44.2%	≤39	435
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	157 %	70-130	360
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	46.8 %	0-334	
		(SP 1711602-001)	MSD	ug/L	40.00	63.6 %	0-334	
			MSRPD	ug/L	10.00	30.4%	≤39	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	215 %	70-130	360
Dichloromethane	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	20-157	
		(CC 1783489-001)	MSD	ug/L	10.00	132 %	20-157	
			MSRPD	ug/L	10.00	4.7%	≤36	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	20-157	
		(SP 1711160-004)	MSD	ug/L	10.00	108 %	20-157	
			MSRPD	ug/L	10.00	18.3%	≤36	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	20-157	
		(SP 1711602-001)	MSD	ug/L	10.00	140 %	20-157	
			MSRPD	ug/L	10.00	15.9%	≤36	
Ethyl tert-Butyl Ether	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	121 %	11-165	
		(CC 1783489-001)	MSD	ug/L	10.00	126 %	11-165	
			MSRPD	ug/L	10.00	0.54	≤3	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	109 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	122 %	11-165	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Ethyl tert-Butyl Ether	524.2	(SP 1711160-004)	MSD	ug/L	10.00	104 %	11-165	
			MSRPD	ug/L	10.00	1.8	≤3	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	104 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	107 %	11-165	
		(SP 1711602-001)	MSD	ug/L	10.00	126 %	11-165	
			MSRPD	ug/L	10.00	1.9	≤3	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	106 %	70-130	
Ethylbenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	9-174	
		(CC 1783489-001)	MSD	ug/L	10.00	120 %	9-174	
			MSRPD	ug/L	10.00	6.8%	≤37	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	91.5 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	9-174	
		(SP 1711160-004)	MSD	ug/L	10.00	99.9 %	9-174	
			MSRPD	ug/L	10.00	19.6%	≤37	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	94.9 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.5 %	9-174	
		(SP 1711602-001)	MSD	ug/L	10.00	120 %	9-174	
			MSRPD	ug/L	10.00	18.9%	≤37	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	95.6 %	70-130	
Freon-11	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	44.1 %	0-232	
		(CC 1783489-001)	MSD	ug/L	40.00	50.8 %	0-232	
			MSRPD	ug/L	10.00	14.0%	≤35	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	69.2 %	0-232	
		(SP 1711160-004)	MSD	ug/L	40.00	46.2 %	0-232	
			MSRPD	ug/L	10.00	39.9%	≤35	435
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	44.9 %	0-232	
		(SP 1711602-001)	MSD	ug/L	40.00	57.3 %	0-232	
			MSRPD	ug/L	10.00	24.3%	≤35	
Hexachlorobutadiene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	14-200	
		(CC 1783489-001)	MSD	ug/L	10.00	128 %	14-200	
			MSRPD	ug/L	10.00	4.0%	≤40	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	98.1 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	109 %	14-200	
		(SP 1711160-004)	MSD	ug/L	10.00	105 %	14-200	
			MSRPD	ug/L	10.00	3.8%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	99.2 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	14-200	
		(SP 1711602-001)	MSD	ug/L	10.00	129 %	14-200	
			MSRPD	ug/L	10.00	17.8%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	101 %	70-130	
Isopropyl Ether	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	135 %	8-165	
		(CC 1783489-001)	MSD	ug/L	10.00	143 %	8-165	
			MSRPD	ug/L	10.00	0.85	≤3	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Isopropyl Ether	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	124 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	143 %	8-165	
		(SP 1711160-004)	MSD	ug/L	10.00	121 %	8-165	
			MSRPD	ug/L	10.00	2.2	≤3	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	121 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	125 %	8-165	
		(SP 1711602-001)	MSD	ug/L	10.00	146 %	8-165	
			MSRPD	ug/L	10.00	2.1	≤3	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	124 %	70-130	
Isopropylbenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	110 %	4-159	
		(CC 1783489-001)	MSD	ug/L	10.00	117 %	4-159	
			MSRPD	ug/L	10.00	6.1%	≤37	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	85.6 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	4-159	
		(SP 1711160-004)	MSD	ug/L	10.00	97.4 %	4-159	
			MSRPD	ug/L	10.00	17.3%	≤37	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	91.3 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	97.7 %	4-159	
		(SP 1711602-001)	MSD	ug/L	10.00	117 %	4-159	
			MSRPD	ug/L	10.00	18.4%	≤37	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	89.8 %	70-130	
Methyl tert-Butyl Ether	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	102 %	70-130	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	103 %	70-130	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	97.3 %	70-130	
Methyl tert-Butyl Ether (MTBE)	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	109 %	11-168	
		(CC 1783489-001)	MSD	ug/L	10.00	113 %	11-168	
			MSRPD	ug/L	10.00	3.4%	≤29	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	109 %	11-168	
		(SP 1711160-004)	MSD	ug/L	10.00	94.1 %	11-168	
			MSRPD	ug/L	10.00	15.1%	≤29	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	95.1 %	11-168	
		(SP 1711602-001)	MSD	ug/L	10.00	113 %	11-168	
			MSRPD	ug/L	10.00	17.3%	≤29	
Methylene Chloride	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	116 %	70-130	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	111 %	70-130	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	121 %	70-130	
Naphthalene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	0-189	
		(CC 1783489-001)	MSD	ug/L	10.00	102 %	0-189	
			MSRPD	ug/L	10.00	0.5%	≤32	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	97.8 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	100 %	0-189	
		(SP 1711160-004)	MSD	ug/L	10.00	86.1 %	0-189	
			MSRPD	ug/L	10.00	15.2%	≤32	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	104 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Naphthalene	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	86.3 %	0-189	
		(SP 1711602-001)	MSD	ug/L	10.00	104 %	0-189	
			MSRPD	ug/L	10.00	18.6%	≤32	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	91.7 %	70-130	
n-Butylbenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	4-186	
		(CC 1783489-001)	MSD	ug/L	10.00	132 %	4-186	
			MSRPD	ug/L	10.00	0.07%	≤37	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	101 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	4-186	
		(SP 1711160-004)	MSD	ug/L	10.00	112 %	4-186	
			MSRPD	ug/L	10.00	15.2%	≤37	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	108 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	4-186	
		(SP 1711602-001)	MSD	ug/L	10.00	135 %	4-186	
			MSRPD	ug/L	10.00	18.5%	≤37	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	108 %	70-130	
n-Propylbenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	0-174	
		(CC 1783489-001)	MSD	ug/L	10.00	131 %	0-174	
			MSRPD	ug/L	10.00	3.0%	≤37	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	100 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	0-174	
		(SP 1711160-004)	MSD	ug/L	10.00	112 %	0-174	
			MSRPD	ug/L	10.00	17.8%	≤37	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	106 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	0-174	
		(SP 1711602-001)	MSD	ug/L	10.00	133 %	0-174	
			MSRPD	ug/L	10.00	17.6%	≤37	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	106 %	70-130	
p-Isopropyltoluene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	0-193	
		(CC 1783489-001)	MSD	ug/L	10.00	130 %	0-193	
			MSRPD	ug/L	10.00	2.4%	≤40	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	98.3 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	0-193	
		(SP 1711160-004)	MSD	ug/L	10.00	109 %	0-193	
			MSRPD	ug/L	10.00	16.7%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	104 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	0-193	
		(SP 1711602-001)	MSD	ug/L	10.00	131 %	0-193	
			MSRPD	ug/L	10.00	16.7%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	104 %	70-130	
sec-Butylbenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	0-177	
		(CC 1783489-001)	MSD	ug/L	10.00	132 %	0-177	
			MSRPD	ug/L	10.00	3.2%	≤40	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
sec-Butylbenzene	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	97.1 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	0-177	
		(SP 1711160-004)	MSD	ug/L	10.00	112 %	0-177	
			MSRPD	ug/L	10.00	16.1%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	106 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	0-177	
		(SP 1711602-001)	MSD	ug/L	10.00	135 %	0-177	
			MSRPD	ug/L	10.00	16.6%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	106 %	70-130	
Styrene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	0-198	
		(CC 1783489-001)	MSD	ug/L	10.00	131 %	0-198	
			MSRPD	ug/L	10.00	8.7%	≤37	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	107 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	0-198	
		(SP 1711160-004)	MSD	ug/L	10.00	84.3 %	0-198	
			MSRPD	ug/L	10.00	21.1%	≤37	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	104 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	100 %	0-198	
		(SP 1711602-001)	MSD	ug/L	10.00	127 %	0-198	
			MSRPD	ug/L	10.00	23.0%	≤37	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	105 %	70-130	
TAME	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	116 %	15-162	
		(CC 1783489-001)	MSD	ug/L	10.00	124 %	15-162	
			MSRPD	ug/L	10.00	0.80	≤3	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	107 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	121 %	15-162	
		(SP 1711160-004)	MSD	ug/L	10.00	102 %	15-162	
			MSRPD	ug/L	10.00	1.9	≤3	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	107 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	103 %	15-162	
		(SP 1711602-001)	MSD	ug/L	10.00	122 %	15-162	
			MSRPD	ug/L	10.00	1.9	≤3	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	105 %	70-130	
tert-Butylbenzene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	9-179	
		(CC 1783489-001)	MSD	ug/L	10.00	121 %	9-179	
			MSRPD	ug/L	10.00	4.6%	≤38	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	89.8 %	30-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	9-179	
		(SP 1711160-004)	MSD	ug/L	10.00	102 %	9-179	
			MSRPD	ug/L	10.00	16.5%	≤38	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	97.2 %	30-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	9-179	
		(SP 1711602-001)	MSD	ug/L	10.00	125 %	9-179	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
tert-Butylbenzene	524.2	09/25/17:211594VRG	MSRPD	ug/L	10.00	19.7%	≤38	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	96.1 %	30-130	
Tetrachloroethylene (PCE)	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	14-186	
		(CC 1783489-001)	MSD	ug/L	10.00	130 %	14-186	
			MSRPD	ug/L	10.00	6.1%	≤33	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	95.8 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	14-186	
		(SP 1711160-004)	MSD	ug/L	10.00	108 %	14-186	
			MSRPD	ug/L	10.00	22.5%	≤33	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	106 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	14-186	
		(SP 1711602-001)	MSD	ug/L	10.00	131 %	14-186	
			MSRPD	ug/L	10.00	15.9%	≤33	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	107 %	70-130	
Toluene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	3-174	
		(CC 1783489-001)	MSD	ug/L	10.00	125 %	3-174	
			MSRPD	ug/L	10.00	5.5%	≤37	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	99.7 %	30-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	3-174	
		(SP 1711160-004)	MSD	ug/L	10.00	107 %	3-174	
			MSRPD	ug/L	10.00	16.4%	≤37	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	102 %	30-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	106 %	3-174	
		(SP 1711602-001)	MSD	ug/L	10.00	126 %	3-174	
			MSRPD	ug/L	10.00	17.0%	≤37	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	103 %	30-130	
trans-1,2-Dichloroethylene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	5-165	
		(CC 1783489-001)	MSD	ug/L	10.00	130 %	5-165	
			MSRPD	ug/L	10.00	5.2%	≤40	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	99.9 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	5-165	
		(SP 1711160-004)	MSD	ug/L	10.00	101 %	5-165	
			MSRPD	ug/L	10.00	18.1%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	98.2 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	5-165	
		(SP 1711602-001)	MSD	ug/L	10.00	132 %	5-165	
			MSRPD	ug/L	10.00	15.0%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	107 %	70-130	
trans-1,3-Dichloropropene	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.200	125 %	0-169	
		(CC 1783489-001)	MSD	ug/L	9.200	131 %	0-169	
			MSRPD	ug/L	10.00	4.6%	≤31	
	524.2	09/14/17:213994VRG	CCV	ug/L	9.200	114 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.200	127 %	0-169	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
trans-1,3-Dichloropropene	524.2	(SP 1711160-004)	MSD	ug/L	9.200	98.1 %	0-169	
			MSRPD	ug/L	10.00	25.6%	≤31	
	524.2	09/18/17:214179VRG	CCV	ug/L	9.200	119 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.200	106 %	0-169	
		(SP 1711602-001)	MSD	ug/L	9.200	129 %	0-169	
			MSRPD	ug/L	10.00	19.7%	≤31	
	524.2	09/25/17:214521VRG	CCV	ug/L	9.200	114 %	70-130	
Trichloroethylene (TCE)	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	11-167	
		(CC 1783489-001)	MSD	ug/L	10.00	130 %	11-167	
			MSRPD	ug/L	10.00	7.5%	≤35	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	98.7 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	11-167	
		(SP 1711160-004)	MSD	ug/L	10.00	108 %	11-167	
			MSRPD	ug/L	10.00	16.1%	≤35	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	103 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	11-167	
		(SP 1711602-001)	MSD	ug/L	10.00	130 %	11-167	
			MSRPD	ug/L	10.00	16.1%	≤35	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	103 %	70-130	
Trichlorofluoromethane F-11	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	135 %	70-130	360
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	138 %	70-130	360
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	152 %	70-130	360
Trichlorotrifluoroethane F-113	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	5.000	325 %	0-183	435
		(CC 1783489-001)	MSD	ug/L	5.000	318 %	0-183	435
			MSRPD	ug/L	10.00	2.2%	≤33	
	524.2	09/14/17:213994VRG	CCV	ug/L	5.000	224 %	70-130	360
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	5.000	327 %	0-183	435
		(SP 1711160-004)	MSD	ug/L	5.000	252 %	0-183	435
			MSRPD	ug/L	10.00	26.2%	≤33	
	524.2	09/18/17:214179VRG	CCV	ug/L	5.000	229 %	70-130	360
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	143 %	0-183	
		(SP 1711602-001)	MSD	ug/L	10.00	170 %	0-183	
			MSRPD	ug/L	10.00	16.9%	≤33	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	132 %	70-130	360
Vinyl Chloride	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	45.9 %	0-208	
		(CC 1783489-001)	MSD	ug/L	40.00	54.9 %	0-208	
			MSRPD	ug/L	10.00	17.8%	≤40	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	154 %	30-130	360
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	78.7 %	0-208	
		(SP 1711160-004)	MSD	ug/L	40.00	53.3 %	0-208	
			MSRPD	ug/L	10.00	38.4%	≤40	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	163 %	30-130	360
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	51.8 %	0-208	
		(SP 1711602-001)	MSD	ug/L	40.00	63.9 %	0-208	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Vinyl Chloride	524.2	09/25/17:211594VRG	MSRPD	ug/L	10.00	21.0%	≤40	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	187 %	30-130	360
Xylenes m,p	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	20.00	124 %	0-193	
		(CC 1783489-001)	MSD	ug/L	20.00	133 %	0-193	
			MSRPD	ug/L	10.00	6.8%	≤37	
	524.2	09/14/17:213994VRG	CCV	ug/L	20.00	103 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	20.00	133 %	0-193	
		(SP 1711160-004)	MSD	ug/L	20.00	109 %	0-193	
			MSRPD	ug/L	10.00	19.4%	≤37	
	524.2	09/18/17:214179VRG	CCV	ug/L	20.00	109 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	20.00	110 %	0-193	
		(SP 1711602-001)	MSD	ug/L	20.00	133 %	0-193	
			MSRPD	ug/L	10.00	18.8%	≤37	
	524.2	09/25/17:214521VRG	CCV	ug/L	20.00	109 %	70-130	
Xylenes o	524.2	09/14/17:211189VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	0-188	
		(CC 1783489-001)	MSD	ug/L	10.00	121 %	0-188	
			MSRPD	ug/L	10.00	4.7%	≤36	
	524.2	09/14/17:213994VRG	CCV	ug/L	10.00	97.7 %	70-130	
	524.2	09/18/17:211272VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	121 %	0-188	
		(SP 1711160-004)	MSD	ug/L	10.00	101 %	0-188	
			MSRPD	ug/L	10.00	18.2%	≤36	
	524.2	09/18/17:214179VRG	CCV	ug/L	10.00	99.0 %	70-130	
	524.2	09/25/17:211594VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	0-188	
		(SP 1711602-001)	MSD	ug/L	10.00	122 %	0-188	
			MSRPD	ug/L	10.00	18.0%	≤36	
	524.2	09/25/17:214521VRG	CCV	ug/L	10.00	102 %	70-130	
3-Hydroxycarbofuran	531.1	09/14/17:211066SG	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	81.6 %	80-120	
			MS	ug/L	20.00	87.1 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	89.1 %	65-135	
			MSRPD	ug/L	20.00	2.3%	≤16.8	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	94.9 %	80-120	
			CCV	ug/L	20.00	99.0 %	80-120	
Aldicarb	531.1	09/14/17:211066SG	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	85.3 %	80-120	
			MS	ug/L	20.00	89.2 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	92.5 %	65-135	
			MSRPD	ug/L	20.00	3.7%	≤11.2	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	83.7 %	80-120	
			CCV	ug/L	20.00	102 %	80-120	
Aldicarb Sulfone	531.1	09/15/17:212156SG	CCV	ug/L	10.00	93.5 %	80-120	
			CCV	ug/L	20.00	90.6 %	80-120	
Aldicarb Sulfone/Sulfoxide	531.1	09/14/17:211066SG	Blank	ug/L		ND	<2	
			Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	92.0 %	80-120	
			LCS	ug/L	20.00	83.0 %	80-120	
			MS	ug/L	20.00	95.8 %	65-135	
			MS	ug/L	20.00	87.0 %	65-135	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Aldicarb Sulfone/Sulfoxide	531.1	(CH 1777523-001)	MSD	ug/L	20.00	98.9 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	90.4 %	65-135	
			MSRPD	ug/L	20.00	3.8%	≤7.28	
			MSRPD	ug/L	20.00	3.2%	≤13.8	
Aldicarb Sulfoxide	531.1	09/15/17:212156SG	CCV	ug/L	10.00	99.1 %	80-120	
			CCV	ug/L	20.00	104 %	80-120	
Carbaryl	531.1	09/15/17:212156SG	CCV	ug/L	10.00	80.4 %	80-120	
			CCV	ug/L	20.00	107 %	80-120	
Carbaryl/Naphthol	531.1	09/14/17:211066SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	87.3 %	80-120	
			MS	ug/L	20.00	91.0 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	94.9 %	65-135	
			MSRPD	ug/L	20.00	0.78	≤5	
Carbofuran	531.1	09/14/17:211066SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	84.0 %	80-120	
			MS	ug/L	20.00	90.2 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	89.2 %	65-135	
			MSRPD	ug/L	20.00	0.19	≤5	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	81.1 %	80-120	
			CCV	ug/L	20.00	87.4 %	80-120	
Methomyl	531.1	09/14/17:211066SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	87.4 %	80-120	
			MS	ug/L	20.00	90.9 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	94.0 %	65-135	
			MSRPD	ug/L	20.00	3.4%	≤53.1	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	109 %	80-120	
			CCV	ug/L	20.00	101 %	80-120	
Oxamyl	531.1	09/14/17:211066SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	88.3 %	80-120	
			MS	ug/L	20.00	92.4 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	94.8 %	65-135	
			MSRPD	ug/L	20.00	0.48	≤5	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	90.7 %	80-120	
			CCV	ug/L	20.00	94.3 %	80-120	
TOC	5310C	09/20/17:211306AMM	Blank	mg/L		ND	<0.3	
			BS	mg/L	15.00	97.0 %	75-125	
			BSD	mg/L	15.00	90.5 %	75-125	
			BSRPD	mg/L	15.00	6.9%	≤23.0	
	5310C	09/20/17:214222AMM	CCV	ppm	15.00	102 %	67-122	
			CCV	ppm	15.00	104 %	67-122	
Endothall	548.1	09/19/17:211274SG	Blank	ug/L		ND	<40	
			LCS	ug/L	66.67	91.2 %	30-96	
			MS	ug/L	66.67	15.3 %	15-87	
		(STK1751650-001)	MSD	ug/L	66.67	30.5 %	15-87	
			MSRPD	ug/L	66.67	10	≤40	
	548.1	09/22/17:214244SG	CCV	ug/L	1000	85.8 %	70-130	
			CCV	ug/L	2500	107 %	70-130	
Diquat Dibromide	549	09/19/17:211268SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	39.2 %	34-114	
			MS	ug/L	20.00	35.6 %	0-86	
		(SP 1711393-001)	MSD	ug/L	20.00	57.2 %	0-86	
			MSRPD	ug/L	20.00	4.3	≤2	435
	549.2	09/26/17:214477SG	CCV	ug/L	1000	100 %	80-120	
			CCV	ug/L	500.0	116 %	80-120	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,3-Dibromopropionic Acid	552	09/22/17:211426SBL	Blank	ug/L	5.000	81.6 %	70-130	
			LCS	ug/L	5.000	94.1 %	70-130	
			MS	ug/L	5.000	89.9 %	70-130	
		(SP 1711202-001)	MSD	ug/L	5.000	95.7 %	70-130	
			MSRPD	ug/L	5.000	0.29	≤1	
Dibromoacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	85.7 %	70-130	
			MS	ug/L	10.00	79.7 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	89.7 %	70-130	
			MSRPD	ug/L	5.000	10.8%	≤20.0	
Dichloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	87.3 %	70-130	
			MS	ug/L	10.00	84.2 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	93.7 %	70-130	
			MSRPD	ug/L	5.000	10.5%	≤20.0	
Monobromoacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	77.5 %	70-130	
			MS	ug/L	10.00	74.8 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	80.6 %	70-130	
			MSRPD	ug/L	5.000	7.1%	≤20.0	
Monochloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	76.4 %	70-130	
			MS	ug/L	10.00	77.2 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	82.8 %	70-130	
			MSRPD	ug/L	5.000	0.57	≤2	
Trichloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	80.0 %	70-130	
			MS	ug/L	10.00	75.6 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	84.8 %	70-130	
			MSRPD	ug/L	5.000	10.4%	≤20.0	
2,3-Dibromopropionic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	50.00	112 %	70-130	
			CCV	ug/L	75.00	135 %	70-130	362
Dibromoacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	112 %	70-130	
			CCV	ug/L	150.0	122 %	70-130	
Dichloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	114 %	70-130	
			CCV	ug/L	150.0	119 %	70-130	
Monobromoacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	107 %	70-130	
			CCV	ug/L	150.0	107 %	70-130	
Monochloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	109 %	70-130	
			CCV	ug/L	150.0	107 %	70-130	
Trichloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	106 %	70-130	
			CCV	ug/L	150.0	109 %	70-130	
Chlordane	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.1	
PCB 1016 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1242 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	608/8081	09/18/17:211160caa	Blank	ug/L	0.5005	47.8 %	15-143	
			LCS	ug/L	0.5005	38.0 %	15-143	
			BS	ug/L	0.5005	57.7 %	26-141	
			BSD	ug/L	0.5005	28.1 %	26-141	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Tetrachloro-m-xylene	608/8081	09/18/17:211160caa	BSRPD	ug/L	0.5005	0.15	≤0.05	410
	608/8081	09/22/17:214242SBL	CCV	ug/L	100.1	96.4 %	85-115	
			CCV	ug/L	50.05	87.9 %	85-115	
			CCV	ug/L	100.1	89.3 %	85-115	
Toxaphene	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
1,1,1-Trichloroethane(TCA)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	110 %	66-191	
		(CH 1777935-001)	MSD	ug/L	10.00	118 %	66-191	
			MSRPD	ug/L	10.00	7.2%	≤21	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	86.1 %	75-125	
1,1,2,2-Tetrachloroethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	30-180	
		(CH 1777935-001)	MSD	ug/L	10.00	118 %	30-180	
			MSRPD	ug/L	10.00	1.7%	≤19	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	113 %	60-140	
1,1,2-Trichloroethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	50-146	
		(CH 1777935-001)	MSD	ug/L	10.00	110 %	50-146	
			MSRPD	ug/L	10.00	5.6%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	99.7 %	71-129	
1,1-Dichloroethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.6 %	63-159	
		(CH 1777935-001)	MSD	ug/L	10.00	100 %	63-159	
			MSRPD	ug/L	10.00	0.9%	≤22	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	86.9 %	72-128	
1,1-Dichloroethylene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	67.4 %	0-279	
		(CH 1777935-001)	MSD	ug/L	10.00	66.2 %	0-279	
			MSRPD	ug/L	10.00	1.7%	≤36	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	56.0 %	51-150	
1,2-Dichlorobenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	57-153	
		(CH 1777935-001)	MSD	ug/L	10.00	135 %	57-153	
			MSRPD	ug/L	10.00	3.3%	≤26	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	122 %	63-137	
1,2-Dichloroethane (EDC)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	56-158	
		(CH 1777935-001)	MSD	ug/L	10.00	122 %	56-158	
			MSRPD	ug/L	10.00	3.8%	≤24	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	114 %	68-132	
1,2-Dichloropropane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	55-152	
		(CH 1777935-001)	MSD	ug/L	10.00	117 %	55-152	
			MSRPD	ug/L	10.00	4.2%	≤23	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	105 %	34-166	
1,3-Dichlorobenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	136 %	53-159	
		(CH 1777935-001)	MSD	ug/L	10.00	140 %	53-159	
			MSRPD	ug/L	10.00	2.8%	≤28	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	127 %	73-127	
1,4-Dichlorobenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	138 %	53-161	
		(CH 1777935-001)	MSD	ug/L	10.00	143 %	53-161	
			MSRPD	ug/L	10.00	3.7%	≤27	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,4-Dichlorobenzene	624	09/14/17:214550VRG	CCV	ug/L	10.00	128 %	63-137	
2-Butanone (MEK)	624	09/14/17:211554VRG	Blank	ug/L		ND	<40	
			MS	ug/L	100.0	90.4 %	0-211	
		(CH 1777935-001)	MSD	ug/L	100.0	99.7 %	0-211	
			MSRPD	ug/L	10.00	9.4	≤40	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	93.0 %	20-230	
2-Chloroethylvinyl ether	624	09/14/17:211554VRG	Blank	ug/L		ND	<1	
			MS	ug/L	100.0	63.4 %	0-11	435
		(CH 1777935-001)	MSD	ug/L	100.0	67.7 %	0-11	435
			MSRPD	ug/L	10.00	6.5%	≤3	435
	624	09/14/17:214550VRG	CCV	ug/L	80.00	73.9 %	10-224	
2-Hexanone	624	09/14/17:211554VRG	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	88.0 %	0-190	
		(CH 1777935-001)	MSD	ug/L	100.0	94.7 %	0-190	
			MSRPD	ug/L	10.00	6.7	≤30	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	101 %	20-283	
4-Bromofluorobenzene	624	09/14/17:211554VRG	Blank	ug/L	10.00	102 %	70-161	
			MS	ug/L	10.00	105 %	58-151	
		(CH 1777935-001)	MSD	ug/L	10.00	104 %	58-151	
			MSRPD	ug/L	10.00	0.7%	≤14	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	106 %	70-130	
4-Methyl-2-pentanone (MIBK)	624	09/14/17:211554VRG	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	93.3 %	0-194	
		(CH 1777935-001)	MSD	ug/L	100.0	94.5 %	0-194	
			MSRPD	ug/L	10.00	1.2	≤30	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	106 %	20-233	
Acetone	624	09/14/17:211554VRG	Blank	ug/L		ND	<25	
			MS	ug/L	100.0	103 %	0-270	
		(CH 1777935-001)	MSD	ug/L	100.0	111 %	0-270	
			MSRPD	ug/L	10.00	8.1	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	129 %	20-367	
Acrolein	624	09/14/17:211554VRG	Blank	ug/L		ND	<5	
			MS	ug/L	100.0	104 %	0-171	
		(CH 1777935-001)	MSD	ug/L	100.0	102 %	0-171	
			MSRPD	ug/L	10.00	1.5%	≤50	
	624	09/14/17:214550VRG	CCV	ug/L	100.0	105 %	20-209	
Acrylonitrile	624	09/14/17:211554VRG	Blank	ug/L		ND	<2	
			MS	ug/L	100.0	284 %	0-244	435
		(CH 1777935-001)	MSD	ug/L	100.0	304 %	0-244	435
			MSRPD	ug/L	10.00	6.6%	≤47	
	624	09/14/17:214550VRG	CCV	ug/L	100.0	309 %	20-278	360
Benzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	65-155	
		(CH 1777935-001)	MSD	ug/L	10.00	111 %	65-155	
			MSRPD	ug/L	10.00	7.1%	≤21	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	91.6 %	64-136	
Bromodichloromethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	62-150	
		(CH 1777935-001)	MSD	ug/L	10.00	115 %	62-150	
			MSRPD	ug/L	10.00	3.4%	≤22	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	108 %	65-135	
Bromoform	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	64-150	
		(CH 1777935-001)	MSD	ug/L	10.00	132 %	64-150	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Bromoform	624	09/14/17:211554VRG	MSRPD	ug/L	10.00	6.7%	≤16	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	129 %	71-129	
Bromomethane (Methyl Bromide)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	49.8 %	48-196	
		(CH 1777935-001)	MSD	ug/L	40.00	52.0 %	48-196	
			MSRPD	ug/L	10.00	4.3%	≤24	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	169 %	14-186	
Carbon Disulfide	624	09/14/17:211554VRG	Blank	ug/L		ND	<5	
			MS	ug/L	100.0	97.2 %	0-230	
		(CH 1777935-001)	MSD	ug/L	100.0	102 %	0-230	
			MSRPD	ug/L	10.00	5.0%	≤72	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	71.1 %	20-242	
Carbon Tetrachloride	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	69-206	
		(CH 1777935-001)	MSD	ug/L	10.00	139 %	69-206	
			MSRPD	ug/L	10.00	9.5%	≤19	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	94.2 %	73-127	
Chlorobenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	69-152	
		(CH 1777935-001)	MSD	ug/L	10.00	131 %	69-152	
			MSRPD	ug/L	10.00	7.7%	≤24	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	112 %	66-134	
Chloroethane (Ethyl Chloride)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	36.8 %	53-214	435
		(CH 1777935-001)	MSD	ug/L	40.00	38.1 %	53-214	435
			MSRPD	ug/L	10.00	3.4%	≤32	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	115 %	38-162	
Chloroform	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	50.00	27.1 %	55-155	435
		(CH 1777935-001)	MSD	ug/L	50.00	22.0 %	55-155	435
			MSRPD	ug/L	10.00	4.1%	≤22	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	98.5 %	67-133	
Chloromethane(Methyl Chloride)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	40.4 %	33-202	
		(CH 1777935-001)	MSD	ug/L	40.00	43.3 %	33-202	
			MSRPD	ug/L	10.00	7.0%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	141 %	0-204	
cis-1,3-Dichloropropene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	59-142	
		(CH 1777935-001)	MSD	ug/L	10.00	122 %	59-142	
			MSRPD	ug/L	10.00	4.6%	≤23	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	111 %	24-176	
Dibromochloromethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	53-151	
		(CH 1777935-001)	MSD	ug/L	10.00	116 %	53-151	
			MSRPD	ug/L	10.00	6.5%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	107 %	67-133	
Dichloromethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<2	
			MS	ug/L	10.00	93.5 %	24-207	
		(CH 1777935-001)	MSD	ug/L	10.00	100 %	24-207	
			MSRPD	ug/L	10.00	0.67	≤2	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	85.2 %	60-139	
Ethylbenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	140 %	45-194	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Ethylbenzene	624	(CH 1777935-001)	MSD	ug/L	10.00	138 %	45-194	
			MSRPD	ug/L	10.00	1.2%	≤31	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	118 %	59-141	
Fluorobenzene	624	09/14/17:211554VRG	Blank	ug/L	10.00	100 %	72-139	
			MS	ug/L	10.00	101 %	90-121	
		(CH 1777935-001)	MSD	ug/L	10.00	101 %	90-121	
			MSRPD	ug/L	10.00	0.02%	≤3	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	100 %	70-130	
Freon-11	624	09/14/17:211554VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	40.00	40.7 %	57-259	435
		(CH 1777935-001)	MSD	ug/L	40.00	41.9 %	57-259	435
			MSRPD	ug/L	10.00	3.1%	≤27	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	112 %	48-152	
Methyl tert-Butyl Ether (MTBE)	624	09/14/17:211554VRG	Blank	ug/L		ND	<5	
			MS	ug/L	10.00	102 %	26-210	
		(CH 1777935-001)	MSD	ug/L	10.00	95.2 %	26-210	
			MSRPD	ug/L	10.00	0.64	≤5	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	90.3 %	63-178	
Pentafluorobenzene	624	09/14/17:211554VRG	Blank	ug/L	10.00	111 %	59-151	
			MS	ug/L	10.00	106 %	74-148	
		(CH 1777935-001)	MSD	ug/L	10.00	107 %	74-148	
			MSRPD	ug/L	10.00	1.5%	≤10	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	108 %	70-130	
Styrene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	6-195	
		(CH 1777935-001)	MSD	ug/L	10.00	132 %	6-195	
			MSRPD	ug/L	10.00	2.3%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	121 %	67-158	
Tetrachloroethylene (PCE)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	133 %	63-171	
		(CH 1777935-001)	MSD	ug/L	10.00	140 %	63-171	
			MSRPD	ug/L	10.00	4.5%	≤26	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	106 %	73-127	
Toluene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	65-160	
		(CH 1777935-001)	MSD	ug/L	10.00	119 %	65-160	
			MSRPD	ug/L	10.00	6.6%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	98.0 %	74-126	
trans-1,2-Dichloroethylene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	92.0 %	68-179	
		(CH 1777935-001)	MSD	ug/L	10.00	97.3 %	68-179	
			MSRPD	ug/L	10.00	5.6%	≤51	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	80.5 %	69-131	
trans-1,3-Dichloropropene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	55-148	
		(CH 1777935-001)	MSD	ug/L	10.00	108 %	55-148	
			MSRPD	ug/L	10.00	5.6%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	98.1 %	50-150	
Trichloroethylene (TCE)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	54-178	
		(CH 1777935-001)	MSD	ug/L	10.00	118 %	54-178	
			MSRPD	ug/L	10.00	4.4%	≤22	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	95.8 %	66-134	
Vinyl Acetate	624	09/14/17:211554VRG	Blank	ug/L		ND	<10	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Vinyl Acetate	624		MS	ug/L	100.0	86.6 %	0-331	
		(CH 1777935-001)	MSD	ug/L	100.0	91.8 %	0-331	
			MSRPD	ug/L	10.00	5.8%	≤44	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	101 %	20-393	
Vinyl Chloride	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	45.0 %	32-217	
		(CH 1777935-001)	MSD	ug/L	40.00	48.8 %	32-217	
			MSRPD	ug/L	10.00	8.0%	≤26	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	141 %	4-196	
Xylenes m,p	624	09/14/17:211554VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	20.00	140 %	50-181	
		(CH 1777935-001)	MSD	ug/L	20.00	139 %	50-181	
			MSRPD	ug/L	10.00	0.9%	≤30	
	624	09/14/17:214550VRG	CCV	ug/L	20.00	118 %	45-170	
Xylenes o	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	137 %	38-182	
		(CH 1777935-001)	MSD	ug/L	10.00	136 %	38-182	
			MSRPD	ug/L	10.00	0.6%	≤29	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	121 %	63-163	
1,2,4-Trichlorobenzene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	80.5 %	38-105	
			BS	ug/L	20.00	76.8 %	21-110	
			BSD	ug/L	20.00	78.2 %	21-110	
			BSRPD	ug/L	20.00	1.7%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	104 %	80-120	
1,2-Dichlorobenzene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	80.8 %	48-97	
			BS	ug/L	20.00	79.7 %	16-115	
			BSD	ug/L	20.00	80.4 %	16-115	
			BSRPD	ug/L	20.00	0.9%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	108 %	80-120	
1,2-Diphenylhydrazine	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	89.6 %	61-111	
			BS	ug/L	20.00	88.9 %	39-121	
			BSD	ug/L	20.00	81.9 %	39-121	
			BSRPD	ug/L	20.00	8.1%	≤30	
1,3-Dichlorobenzene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	78.1 %	39-94	
			BS	ug/L	20.00	75.2 %	11-111	
			BSD	ug/L	20.00	77.9 %	11-111	
			BSRPD	ug/L	20.00	3.5%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	106 %	80-120	
1,4-Dichlorobenzene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	78.0 %	42-95	
			BS	ug/L	20.00	76.6 %	13-111	
			BSD	ug/L	20.00	78.4 %	13-111	
			BSRPD	ug/L	20.00	2.4%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	108 %	80-120	
2,4,5-Trichlorophenol	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	108 %	70-122	
			BS	ug/L	20.00	113 %	36-148	
			BSD	ug/L	20.00	101 %	36-148	
			BSRPD	ug/L	20.00	10.6%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	122 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,4,6-Tribromophenol	625	09/19/17:211226caa	Blank	ug/L	20.00	63.8 %	34-116	
			LCS	ug/L	20.00	73.2 %	34-116	
			BS	ug/L	20.00	75.2 %	34-116	
			BSD	ug/L	20.00	67.8 %	34-116	
			BSRPD	ug/L	20.00	10.3%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	98.2 %	80-120	
2,4,6-Trichlorophenol	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	90.4 %	65-115	
			BS	ug/L	20.00	93.2 %	38-136	
			BSD	ug/L	20.00	85.6 %	38-136	
			BSRPD	ug/L	20.00	8.5%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	111 %	80-120	
2,4-Dichlorophenol	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	84.7 %	68-117	
			BS	ug/L	20.00	87.8 %	37-131	
			BSD	ug/L	20.00	86.1 %	37-131	
			BSRPD	ug/L	20.00	1.9%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	111 %	80-120	
2,4-Dimethylphenol	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	68.0 %	54-97	
			BS	ug/L	20.00	71.1 %	23-118	
			BSD	ug/L	20.00	63.7 %	23-118	
			BSRPD	ug/L	20.00	11.1%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	93.7 %	80-120	
2,4-Dinitrophenol	625	09/19/17:211226caa	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	81.9 %	37-112	
			BS	ug/L	20.00	115 %	15-146	
			BSD	ug/L	20.00	89.3 %	15-146	
			BSRPD	ug/L	20.00	5.1	≤5	410
	625	09/22/17:214390SBL	CCV	mg/L	20.00	117 %	80-120	
2,4-Dinitrotoluene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.2 %	71-114	
			BS	ug/L	20.00	103 %	49-135	
			BSD	ug/L	20.00	91.6 %	49-135	
			BSRPD	ug/L	20.00	11.3%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	112 %	80-120	
2,6-Dinitrotoluene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	102 %	72-119	
			BS	ug/L	20.00	105 %	43-140	
			BSD	ug/L	20.00	96.8 %	43-140	
			BSRPD	ug/L	20.00	8.4%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	116 %	80-120	
2-Chlorophenol	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	84.0 %	63-114	
			BS	ug/L	20.00	86.2 %	34-124	
			BSD	ug/L	20.00	81.6 %	34-124	
			BSRPD	ug/L	20.00	5.5%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	106 %	80-120	
2-Fluorobiphenyl	625	09/19/17:211226caa	Blank	ug/L	10.00	56.5 %	29-98	
			LCS	ug/L	10.00	62.0 %	29-98	
			BS	ug/L	10.00	58.8 %	29-98	
			BSD	ug/L	10.00	56.6 %	29-98	
			BSRPD	ug/L	20.00	3.8%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	10.00	99.6 %	80-120	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2-Fluorophenol	625	09/19/17:211226caa	Blank	ug/L	20.00	65.7 %	23-105	
			LCS	ug/L	20.00	66.4 %	23-105	
			BS	ug/L	20.00	62.0 %	23-105	
			BSD	ug/L	20.00	65.2 %	23-105	
			BSRPD	ug/L	20.00	5.0%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	104 %	80-120	
2-Nitrophenol	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	92.8 %	59-125	
			BS	ug/L	20.00	94.9 %	39-135	
			BSD	ug/L	20.00	89.0 %	39-135	
			BSRPD	ug/L	20.00	6.4%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	112 %	80-120	
3,3-Dichlorobenzidine	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	54.4 %	52-119	
			BS	ug/L	20.00	68.9 %	3-125	
			BSD	ug/L	20.00	59.7 %	3-125	
			BSRPD	ug/L	20.00	14.4%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	115 %	80-120	
4,6-Dinitro-2-methylphenol	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.4 %	35-129	
			BS	ug/L	20.00	105 %	36-137	
			BSD	ug/L	20.00	88.5 %	36-137	
			BSRPD	ug/L	20.00	17.4%	≤30	
4,6-Dinitro-o-cresol	625	09/22/17:214390SBL	CCV	mg/L	20.00	109 %	80-120	
4-Bromophenylphenylether	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	89.1 %	66-111	
			BS	ug/L	20.00	87.9 %	41-123	
			BSD	ug/L	20.00	81.1 %	41-123	
			BSRPD	ug/L	20.00	8.1%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	101 %	80-120	
4-Nitrophenol	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	101 %	57-144	
			BS	ug/L	20.00	135 %	11-199	
			BSD	ug/L	20.00	109 %	11-199	
			BSRPD	ug/L	20.00	21.6%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	131 %	80-120	360
Acenaphthene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	87.6 %	60-106	
			BS	ug/L	20.00	85.3 %	33-122	
			BSD	ug/L	20.00	81.8 %	33-122	
			BSRPD	ug/L	20.00	4.2%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	105 %	80-120	
Acenaphthylene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	89.5 %	63-109	
			BS	ug/L	20.00	87.8 %	34-126	
			BSD	ug/L	20.00	84.3 %	34-126	
			BSRPD	ug/L	20.00	4.1%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	109 %	80-120	
Anthracene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	90.4 %	73-108	
			BS	ug/L	20.00	93.2 %	44-122	
			BSD	ug/L	20.00	85.6 %	44-122	
			BSRPD	ug/L	20.00	8.6%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	110 %	80-120	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Azobenzene	625	09/22/17:214390SBL	CCV	mg/L	20.00	105 %	80-120	
Benzidine	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	1.2 %	0-59	
			BS	ug/L	20.00	2.6 %	0-115	
			BSD	ug/L	20.00	1.5 %	0-115	
			BSRPD	ug/L	20.00	0.22	≤2	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	105 %	70-130	
Benzo(a)anthracene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	95.1 %	80-106	
			BS	ug/L	20.00	99.7 %	42-123	
			BSD	ug/L	20.00	88.8 %	42-123	
			BSRPD	ug/L	20.00	11.6%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	109 %	80-120	
Benzo(a)pyrene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	87.8 %	77-105	
			BS	ug/L	20.00	96.8 %	41-121	
			BSD	ug/L	20.00	85.5 %	41-121	
			BSRPD	ug/L	20.00	12.3%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	109 %	80-120	
Benzo(b)fluoranthene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.3 %	80-104	
			BS	ug/L	20.00	97.8 %	35-135	
			BSD	ug/L	20.00	90.5 %	35-135	
			BSRPD	ug/L	20.00	7.8%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	104 %	80-120	
Benzo(g,h,i)perylene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.7 %	49-128	
			BS	ug/L	20.00	115 %	38-118	
			BSD	ug/L	20.00	85.4 %	38-118	
			BSRPD	ug/L	20.00	29.7%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	125 %	80-120	360
Benzo(k)fluoranthene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.8 %	71-113	
			BS	ug/L	20.00	95.0 %	40-124	
			BSD	ug/L	20.00	89.5 %	40-124	
			BSRPD	ug/L	20.00	6.0%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	103 %	80-120	
bis(2-Chloroethoxy)methane	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.4 %	65-111	
			BS	ug/L	20.00	87.5 %	32-128	
			BSD	ug/L	20.00	82.2 %	32-128	
			BSRPD	ug/L	20.00	6.2%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	105 %	80-120	
bis(2-Chloroethyl)ether	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.8 %	68-110	
			BS	ug/L	20.00	87.0 %	0-201	
			BSD	ug/L	20.00	85.1 %	0-201	
			BSRPD	ug/L	20.00	2.2%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	104 %	80-120	
bis(2-Chloroisopropyl)ether	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	75.0 %	48-105	
			BS	ug/L	20.00	74.0 %	27-116	
			BSD	ug/L	20.00	71.6 %	27-116	
			BSRPD	ug/L	20.00	3.3%	≤30	

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
bis(2-Chloroisopropyl)ether	625	09/22/17:214390SBL	CCV	mg/L	20.00	91.0 %	80-120	
bis(2-Ethylhexyl)phthalate	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	105 %	69-116	
			BS	ug/L	20.00	90.1 %	18-137	
			BSD	ug/L	20.00	84.4 %	18-137	
			BSRPD	ug/L	20.00	6.5%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	93.6 %	80-120	
Butylbenzylphthalate	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	84.0 %	14-112	
			BS	ug/L	20.00	71.2 %	18-136	
			BSD	ug/L	20.00	70.0 %	18-136	
			BSRPD	ug/L	20.00	1.6%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	101 %	80-120	
Chloronaphthalene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	86.5 %	56-105	
			BS	ug/L	20.00	83.1 %	32-119	
			BSD	ug/L	20.00	81.2 %	32-119	
			BSRPD	ug/L	20.00	2.3%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	106 %	80-120	
Chlorophenylphenylether	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.1 %	62-111	
			BS	ug/L	20.00	84.1 %	40-119	
			BSD	ug/L	20.00	78.5 %	40-119	
			BSRPD	ug/L	20.00	6.9%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	99.4 %	80-120	
Chrysene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	95.9 %	79-107	
			BS	ug/L	20.00	101 %	39-123	
			BSD	ug/L	20.00	89.0 %	39-123	
			BSRPD	ug/L	20.00	12.7%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	109 %	80-120	
Dibenzo(a,h)anthracene	625	09/19/17:211226caa	Blank	ug/L		ND	<0.05	
			LCS	ug/L	20.00	97.3 %	63-133	
			BS	ug/L	20.00	125 %	34-138	
			BSD	ug/L	20.00	92.3 %	34-138	
			BSRPD	ug/L	20.00	29.7%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	130 %	80-120	360
Diethylphthalate	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	50.6 %	0-87	
			BS	ug/L	20.00	53.4 %	0-147	
			BSD	ug/L	20.00	50.3 %	0-147	
			BSRPD	ug/L	20.00	6.0%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	102 %	80-120	
Dimethylphthalate	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	48.4 %	0-56	
			BS	ug/L	20.00	51.8 %	0-137	
			BSD	ug/L	20.00	48.8 %	0-137	
			BSRPD	ug/L	20.00	6.0%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	103 %	80-120	
Di-n-butylphthalate	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	74.9 %	20-120	
			BS	ug/L	20.00	74.8 %	26-141	
			BSD	ug/L	20.00	68.8 %	26-141	
			BSRPD	ug/L	20.00	8.5%	≤30	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Di-n-butylphthalate	625	09/22/17:214390SBL	CCV	mg/L	20.00	107 %	80-120	
Di-n-octylphthalate	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	110 %	55-126	
			BS	ug/L	20.00	79.2 %	29-144	
			BSD	ug/L	20.00	90.3 %	29-144	
			BSRPD	ug/L	20.00	13.2%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	87.8 %	80-120	
Fluoranthene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	89.6 %	73-111	
			BS	ug/L	20.00	95.2 %	48-126	
			BSD	ug/L	20.00	86.0 %	48-126	
			BSRPD	ug/L	20.00	10.2%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	106 %	80-120	
Fluorene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.0 %	64-111	
			BS	ug/L	20.00	88.8 %	38-123	
			BSD	ug/L	20.00	83.4 %	38-123	
			BSRPD	ug/L	20.00	6.2%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	105 %	80-120	
Hexachlorobenzene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	87.4 %	66-108	
			BS	ug/L	20.00	86.2 %	40-115	
			BSD	ug/L	20.00	81.5 %	40-115	
			BSRPD	ug/L	20.00	5.5%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	102 %	80-120	
Hexachlorobutadiene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	67.8 %	4-104	
			BS	ug/L	20.00	65.4 %	4-101	
			BSD	ug/L	20.00	67.4 %	4-101	
			BSRPD	ug/L	20.00	3.0%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	103 %	80-120	
Hexachlorocyclopentadiene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	35.1 %	0-73	
			BS	ug/L	20.00	48.4 %	4-44	436
			BSD	ug/L	20.00	46.5 %	4-44	436
			BSRPD	ug/L	20.00	4.0%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	120 %	80-120	
Hexachloroethane	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	74.4 %	16-97	
			BS	ug/L	20.00	73.9 %	0-109	
			BSD	ug/L	20.00	77.1 %	0-109	
			BSRPD	ug/L	20.00	4.3%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	112 %	80-120	
Indeno(1,2,3-c,d)pyrene	625	09/19/17:211226caa	Blank	ug/L		ND	<0.05	
			LCS	ug/L	20.00	94.7 %	58-129	
			BS	ug/L	20.00	123 %	26-146	
			BSD	ug/L	20.00	91.7 %	26-146	
			BSRPD	ug/L	20.00	29.4%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	133 %	80-120	360
Isophorone	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.0 %	63-107	
			BS	ug/L	20.00	95.0 %	35-124	
			BSD	ug/L	20.00	88.0 %	35-124	
			BSRPD	ug/L	20.00	7.7%	≤30	

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Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Isophorone	625	09/22/17:214390SBL	CCV	mg/L	20.00	109 %	80-120	
Naphthalene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	85.5 %	61-104	
			BS	ug/L	20.00	81.3 %	28-122	
			BSD	ug/L	20.00	80.8 %	28-122	
			BSRPD	ug/L	20.00	0.6%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	105 %	80-120	
Nitrobenzene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	86.4 %	62-104	
			BS	ug/L	20.00	85.1 %	49-108	
			BSD	ug/L	20.00	82.1 %	49-108	
			BSRPD	ug/L	20.00	3.6%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	106 %	80-120	
Nitrobenzene-d5	625	09/19/17:211226caa	Blank	ug/L	10.00	60.8 %	23-104	
			LCS	ug/L	10.00	62.1 %	23-104	
			BS	ug/L	10.00	60.7 %	23-104	
			BSD	ug/L	10.00	58.9 %	23-104	
			BSRPD	ug/L	20.00	3.0%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	10.00	103 %	80-120	
N-Nitrosodimethylamine	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	87.8 %	60-117	
			BS	ug/L	20.00	81.1 %	23-129	
			BSD	ug/L	20.00	91.4 %	23-129	
			BSRPD	ug/L	20.00	11.9%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	120 %	80-120	
N-Nitrosodi-N-propylamine	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.4 %	61-106	
			BS	ug/L	20.00	87.5 %	30-124	
			BSD	ug/L	20.00	81.4 %	30-124	
			BSRPD	ug/L	20.00	7.2%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	104 %	80-120	
N-Nitrosodiphenylamine	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	54.2 %	9-136	
			BS	ug/L	20.00	56.4 %	34-127	
			BSD	ug/L	20.00	51.6 %	34-127	
			BSRPD	ug/L	20.00	8.8%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	87.6 %	80-120	
p-Chloro-m-cresol	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	99.4 %	65-118	
			BS	ug/L	20.00	103 %	35-142	
			BSD	ug/L	20.00	91.3 %	35-142	
			BSRPD	ug/L	20.00	12.0%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	118 %	80-120	
Pentachlorophenol	625	09/19/17:211226caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	89.7 %	51-131	
			BS	ug/L	20.00	105 %	22-172	
			BSD	ug/L	20.00	85.9 %	22-172	
			BSRPD	ug/L	20.00	20.1%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	109 %	80-120	
Phenanthrene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.7 %	71-106	
			BS	ug/L	20.00	90.1 %	44-120	
			BSD	ug/L	20.00	82.8 %	44-120	
			BSRPD	ug/L	20.00	8.5%	≤30	

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Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Phenanthrene	625	09/22/17:214390SBL	CCV	mg/L	20.00	104 %	80-120	
Phenol	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	83.8 %	48-134	
			BS	ug/L	20.00	87.1 %	28-130	
			BSD	ug/L	20.00	86.7 %	28-130	
			BSRPD	ug/L	20.00	0.5%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	111 %	80-120	
Phenol-d6	625	09/19/17:211226caa	Blank	ug/L	20.00	64.9 %	26-102	
			LCS	ug/L	20.00	63.9 %	26-102	
			BS	ug/L	20.00	65.9 %	26-102	
			BSD	ug/L	20.00	65.0 %	26-102	
			BSRPD	ug/L	20.00	1.4%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	106 %	80-120	
p-Terphenyl-d14	625	09/19/17:211226caa	Blank	ug/L	10.00	61.5 %	29-93	
			LCS	ug/L	10.00	74.9 %	29-93	
			BS	ug/L	10.00	62.8 %	29-93	
			BSD	ug/L	10.00	60.3 %	29-93	
			BSRPD	ug/L	20.00	3.9%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	10.00	93.4 %	80-120	
Pyrene	625	09/19/17:211226caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	110 %	81-101	310
			BS	ug/L	20.00	90.4 %	42-120	
			BSD	ug/L	20.00	88.5 %	42-120	
			BSRPD	ug/L	20.00	2.2%	≤30	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	101 %	80-120	
Pyridine	625	09/19/17:211226caa	Blank	ug/L		ND	<10	
			LCS	ug/L	20.00	8.6 %	0-78	
			BS	ug/L	20.00	11.9 %	0-99	
			BSD	ug/L	20.00	32.0 %	0-99	
			BSRPD	ug/L	20.00	4.0	≤10	
	625	09/22/17:214390SBL	CCV	mg/L	20.00	120 %	80-120	
2,4`-DDD	625P	09/21/17:214485SG	CCV	ug/L	100.0	129 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
2,4`-DDE	625P	09/21/17:214485SG	CCV	ug/L	100.0	121 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	119 %	70-130	
2,4`-DDT	625P	09/21/17:214485SG	CCV	ug/L	100.0	129 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	121 %	70-130	
Aldrin	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	83.1 %	0-131	
			BS	ug/L	0.1000	128 %	4-108	436
			BSD	ug/L	0.1000	112 %	4-108	436
			BSRPD	ug/L	0.1000	13.1%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	122 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
Alpha BHC	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	77.7 %	9-125	
			BS	ug/L	0.1000	84.6 %	17-100	
			BSD	ug/L	0.1000	80.7 %	17-100	
			BSRPD	ug/L	0.1000	4.7%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	106 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	123 %	70-130	
alpha-Chlordane	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	94.5 %	14-126	
			BS	ug/L	0.1000	135 %	0-135	

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Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
alpha-Chlordane	625P	09/19/17:211227caa	BSD	ug/L	0.1000	132 %	0-135	
			BSRPD	ug/L	0.1000	2.1%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	126 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	123 %	70-130	
Beta BHC	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	45.3 %	13-125	
			BS	ug/L	0.1000	60.8 %	16-123	
			BSD	ug/L	0.1000	44.6 %	16-123	
			BSRPD	ug/L	0.1000	30.8%	≤25	410
	625P	09/21/17:214485SG	CCV	ug/L	100.0	70.3 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	82.3 %	70-130	
cis_Nonachlor	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	91.9 %	10-138	
			BS	ug/L	0.1000	128 %	0-120	436
			BSD	ug/L	0.1000	113 %	0-120	
			BSRPD	ug/L	0.1000	12.0%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	121 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	110 %	70-130	
Delta BHC	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	49.7 %	0-122	
			BS	ug/L	0.1000	63.4 %	0-112	
			BSD	ug/L	0.1000	61.0 %	0-112	
			BSRPD	ug/L	0.1000	3.9%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	76.0 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	87.5 %	70-130	
Dieldrin	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	92.4 %	19-120	
			BS	ug/L	0.1000	133 %	0-121	436
			BSD	ug/L	0.1000	126 %	0-121	436
			BSRPD	ug/L	0.1000	4.9%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	109 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	114 %	70-130	
Endosulfan I	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	52.7 %	18-129	
			BS	ug/L	0.1000	87.7 %	0-154	
			BSD	ug/L	0.1000	91.5 %	0-154	
			BSRPD	ug/L	0.1000	4.2%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	89.8 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	73.7 %	70-130	
Endosulfan II	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	99.9 %	22-128	
			BS	ug/L	0.1000	123 %	0-149	
			BSD	ug/L	0.1000	96.4 %	0-149	
			BSRPD	ug/L	0.1000	24.2%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	121 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	93.9 %	70-130	
Endosulfan Sulfate	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	94.7 %	32-106	
			BS	ug/L	0.1000	106 %	4-140	
			BSD	ug/L	0.1000	121 %	4-140	
			BSRPD	ug/L	0.1000	13.1%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	127 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
Endrin	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Endrin	625P	09/19/17:211227caa	LCS	ug/L	0.1000	47.7 %	0-130	
			BS	ug/L	0.1000	67.0 %	7-101	
			BSD	ug/L	0.1000	92.2 %	7-101	
			BSRPD	ug/L	0.1000	31.7%	≤25	410
	625P	09/21/17:214485SG	CCV	ug/L	100.0	129 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
Endrin Aldehyde	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	62.3 %	16-135	
			BS	ug/L	0.1000	111 %	0-148	
			BSD	ug/L	0.1000	129 %	0-148	
			BSRPD	ug/L	0.1000	15.3%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	127 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	114 %	70-130	
Endrin Ketone	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	93.6 %	25-121	
			BS	ug/L	0.1000	87.3 %	21-111	
			BSD	ug/L	0.1000	119 %	21-111	436
			BSRPD	ug/L	0.1000	30.7%	≤25	410
	625P	09/21/17:214485SG	CCV	ug/L	100.0	121 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	97.6 %	70-130	
gamma-Chlordane	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	96.0 %	20-123	
			BS	ug/L	0.1000	133 %	1-116	436
			BSD	ug/L	0.1000	132 %	1-116	436
			BSRPD	ug/L	0.1000	1.0%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	129 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	125 %	70-130	
Heptachlor	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	78.8 %	19-119	
			BS	ug/L	0.1000	112 %	13-100	436
			BSD	ug/L	0.1000	101 %	13-100	436
			BSRPD	ug/L	0.1000	10.3%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	118 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	126 %	70-130	
Heptachlor Epoxide	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	91.4 %	18-131	
			BS	ug/L	0.1000	142 %	0-127	436
			BSD	ug/L	0.1000	130 %	0-127	436
			BSRPD	ug/L	0.1000	9.1%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	113 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	116 %	70-130	
Lindane	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	71.2 %	22-181	
			BS	ug/L	0.1000	124 %	0-234	
			BSD	ug/L	0.1000	96.2 %	0-234	
			BSRPD	ug/L	0.1000	24.9%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	108 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	96.9 %	70-130	
Methoxychlor	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	84.1 %	26-113	
			BS	ug/L	0.1000	91.6 %	2-107	
			BSD	ug/L	0.1000	131 %	2-107	436
			BSRPD	ug/L	0.1000	35.3%	≤25	410
	625P	09/21/17:214485SG	CCV	ug/L	100.0	123 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Methoxychlor	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
o,p - DDD	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	97.3 %	15-136	
			BS	ug/L	0.1000	122 %	12-118	436
			BSD	ug/L	0.1000	135 %	12-118	436
			BSRPD	ug/L	0.1000	9.9%	≤25	
o,p - DDE	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	87.0 %	23-124	
			BS	ug/L	0.1000	131 %	0-108	436
			BSD	ug/L	0.1000	128 %	0-108	436
			BSRPD	ug/L	0.1000	2.2%	≤25	
o,p - DDT	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	108 %	27-131	
			BS	ug/L	0.1000	119 %	0-124	
			BSD	ug/L	0.1000	129 %	0-124	436
			BSRPD	ug/L	0.1000	7.7%	≤25	
p,p - DDD	625P	09/21/17:214485SG	CCV	ug/L	100.0	112 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	97.7 %	70-130	
p,p - DDE	625P	09/21/17:214485SG	CCV	ug/L	100.0	126 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	118 %	70-130	
p,p - DDT	625P	09/21/17:214485SG	CCV	ug/L	100.0	121 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	111 %	70-130	
p,p`-DDD	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	87.5 %	0-177	
			BS	ug/L	0.1000	129 %	17-107	436
			BSD	ug/L	0.1000	125 %	17-107	436
			BSRPD	ug/L	0.1000	2.5%	≤25	
p,p`-DDE	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	81.6 %	23-126	
			BS	ug/L	0.1000	124 %	2-107	436
			BSD	ug/L	0.1000	119 %	2-107	436
			BSRPD	ug/L	0.1000	4.5%	≤25	
p,p`-DDT	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	75.9 %	32-108	
			BS	ug/L	0.1000	88.1 %	0-128	
			BSD	ug/L	0.1000	102 %	0-128	
			BSRPD	ug/L	0.1000	14.6%	≤25	
Tetrachloro-m-xylene	625P	09/19/17:211227caa	Blank	ug/L	0.1000	69.5 %	26-90	
			LCS	ug/L	0.1000	61.5 %	26-90	
			BS	ug/L	0.1000	71.0 %	26-90	
			BSD	ug/L	0.1000	70.2 %	26-90	
			BSRPD	ug/L	0.1000	1.1%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	120 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	126 %	70-130	
trans-Nonachlor	625P	09/19/17:211227caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	82.4 %	9-139	
			BS	ug/L	0.1000	128 %	0-120	436
			BSD	ug/L	0.1000	134 %	0-120	436
			BSRPD	ug/L	0.1000	4.8%	≤25	
	625P	09/21/17:214485SG	CCV	ug/L	100.0	126 %	70-130	
	625P	09/22/17:214486SG	CCV	ug/L	100.0	123 %	70-130	

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Quality Control - Organic

Definition	
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation	
310	: LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
362	: Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.
410	: Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
436	: Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Boron	200.7		MS	mg/L	4.000	108 %	75-125	
		(VI 1744799-002)	MSD	mg/L	4.000	112 %	75-125	
			MSRPD	mg/L	4000	3.5%	≤20.0	
			MS	mg/L	4.000	114 %	75-125	
		(SP 1711160-007)	MSD	mg/L	4.000	108 %	75-125	
			MSRPD	mg/L	4000	4.6%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	5.000	102 %	90-110	
			CCB	ppm		0.087	0.1	
			CCV	ppm	5.000	104 %	90-110	
			CCB	ppm		0.116	0.1	220
	200.7	09/17/17:213973AC	CCV	ppm	5.000	98.8 %	90-110	
			CCB	ppm		0.041	0.1	
			CCV	ppm	5.000	100 %	90-110	
			CCB	ppm		0.039	0.1	
Calcium	200.7		MS	mg/L	12.00	100 %	75-125	
		(VI 1744799-002)	MSD	mg/L	12.00	105 %	75-125	
			MSRPD	mg/L	4000	1.3%	≤20.0	
			MS	mg/L	12.00	69.4 %	<¼	
		(SP 1711160-007)	MSD	mg/L	12.00	78.9 %	75-125	
			MSRPD	mg/L	4000	0.9%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.007	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.006	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.008	1	
Copper	200.7		MS	ug/L	800.0	111 %	75-125	
		(VI 1744799-002)	MSD	ug/L	800.0	113 %	75-125	
			MSRPD	ug/L	4000	1.9%	≤20.0	
			MS	ug/L	800.0	116 %	75-125	
		(SP 1711160-007)	MSD	ug/L	800.0	108 %	75-125	
			MSRPD	ug/L	4000	7.2%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	1.000	103 %	90-110	
			CCB	ppm		0.0007	0.01	
			CCV	ppm	1.000	103 %	90-110	
			CCB	ppm		0.0009	0.01	
			CCV	ppm	1.000	102 %	90-110	
			CCB	ppm		0.0004	0.01	
Iron	200.7		MS	ug/L	4000	108 %	75-125	
		(VI 1744799-002)	MSD	ug/L	4000	114 %	75-125	
			MSRPD	ug/L	4000	5.2%	≤20.0	
			MS	ug/L	4000	109 %	75-125	
		(SP 1711160-007)	MSD	ug/L	4000	105 %	75-125	
			MSRPD	ug/L	4000	2.9%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	5.000	104 %	90-110	
			CCB	ppm		0.0064	0.03	
			CCV	ppm	5.000	106 %	90-110	
			CCB	ppm		0.0074	0.03	
			CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.0060	0.03	
Magnesium	200.7		MS	mg/L	12.00	105 %	75-125	
		(VI 1744799-002)	MSD	mg/L	12.00	108 %	75-125	
			MSRPD	mg/L	4000	1.6%	≤20.0	
			MS	mg/L	12.00	84.3 %	75-125	
		(SP 1711160-007)	MSD	mg/L	12.00	78.9 %	75-125	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Magnesium	200.7	09/15/17:211114ac	MSRPD	mg/L	4000	0.5%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	25.00	99.5 %	90-110	
			CCB	ppm		0.006	1	
			CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.006	1	
			CCV	ppm	25.00	99.9 %	90-110	
			CCB	ppm		0.003	1	
Manganese	200.7		MS	ug/L	800.0	109 %	75-125	
		(VI 1744799-002)	MSD	ug/L	800.0	112 %	75-125	
			MSRPD	ug/L	4000	3.2%	≤20.0	
			MS	ug/L	800.0	109 %	75-125	
		(SP 1711160-007)	MSD	ug/L	800.0	103 %	75-125	
			MSRPD	ug/L	4000	4.7%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	1.000	100 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		0.0003	0.01	
			CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		0.0002	0.01	
Potassium	200.7		MS	mg/L	12.00	113 %	75-125	
		(VI 1744799-002)	MSD	mg/L	12.00	115 %	75-125	
			MSRPD	mg/L	4000	1.8%	≤20.0	
			MS	mg/L	12.00	136 %	75-125	435
		(SP 1711160-007)	MSD	mg/L	12.00	124 %	75-125	
			MSRPD	mg/L	4000	3.7%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		-0.01	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.0006	1	
			CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.004	1	
Sodium	200.7		MS	mg/L	12.00	107 %	75-125	
		(VI 1744799-002)	MSD	mg/L	12.00	110 %	75-125	
			MSRPD	mg/L	4000	0.9%	≤20.0	
			MS	mg/L	12.00	10.3 %	<¼	
		(SP 1711160-007)	MSD	mg/L	12.00	1070 %	<¼	
			MSRPD	mg/L	4000	13.3%	≤20.0	
	200.7	09/17/17:213973AC	CCV	ppm	25.00	95.4 %	90-110	
			CCB	ppm		-0.03	1	
			CCV	ppm	25.00	96.5 %	90-110	
			CCB	ppm		-0.06	1	
			CCV	ppm	25.00	95.4 %	90-110	
			CCB	ppm		-0.01	1	
Zinc	200.7		MS	ug/L	800.0	109 %	75-125	
		(VI 1744799-002)	MSD	ug/L	800.0	112 %	75-125	
			MSRPD	ug/L	4000	3.0%	≤20.0	
			MS	ug/L	800.0	108 %	75-125	
		(SP 1711160-007)	MSD	ug/L	800.0	103 %	75-125	
			MSRPD	ug/L	4000	4.2%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	1.000	99.5 %	90-110	
			CCB	ppm		-0.0006	0.02	
			CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		0.0006	0.02	
			CCV	ppm	1.000	101 %	90-110	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Zinc	200.7	09/15/17:213964AC	CCB	ppm		0.0005	0.02	
Aluminum	200.8	09/19/17:214164AC	CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		-0.1	10	
			CCV	ppb	120.0	96.4 %	90-110	
			CCB	ppb		0.007	10	
Antimony	200.8	09/19/17:214164AC	CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.17	1	
			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.21	1	
Arsenic	200.8	09/20/17:214239AC	ICV	ppb	120.0	96.9 %	90-110	
			ICB	ppb		0.02	2	
			CCV	ppb	120.0	97.9 %	90-110	
			CCB	ppb		-0.06	2	
Barium	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		0.018	0.2	
			CCV	ppb	120.0	103 %	90-110	
			CCB	ppb		0.059	0.2	
Beryllium	200.8	09/19/17:214164AC	CCV	ppb	120.0	111 %	90-110	360
			CCB	ppb		-0.020	0.2	
			CCV	ppb	120.0	99.5 %	90-110	
			CCB	ppb		-0.015	0.2	
Cadmium	200.8	09/19/17:214164AC	CCV	ppb	120.0	110 %	90-110	
			CCB	ppb		0.006	0.2	
			CCV	ppb	120.0	107 %	90-110	
			CCB	ppb		0.031	0.2	
Chromium	200.8	09/19/17:214164AC	CCV	ppb	120.0	108 %	90-110	
			CCB	ppb		0.006	1	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		-0.004	1	
Copper	200.8	09/19/17:214164AC	CCV	ppb	120.0	110 %	90-110	
			CCB	ppb		0.040	0.5	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.094	0.5	
Lead	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		-0.043	0.5	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.029	0.5	
Nickel	200.8	09/20/17:214239AC	ICV	ppb	120.0	99.8 %	90-110	
			ICB	ppb		0.02	1	
			CCV	ppb	120.0	99.4 %	90-110	
			CCB	ppb		0.008	1	
Selenium	200.8	09/20/17:214239AC	ICV	ppb	120.0	99.2 %	90-110	
			ICB	ppb		0.08	1	
			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.07	1	
Silver	200.8	09/19/17:214164AC	CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.0040	0.25	
			CCV	ppb	120.0	100 %	90-110	
			CCB	ppb		0.0280	0.25	
Thallium	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		0.004	0.2	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.037	0.2	
Mercury	245.1	09/29/17:211748ac	Blank	ug/L		ND	<0.01	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Mercury	245.1	09/29/17:211748ac	LCS	ug/L	0.2000	99.4 %	85-115	
			MS	ug/L	0.2000	93.5 %	75-125	
		(SP 1711091-001)	MSD	ug/L	0.2000	95.8 %	75-125	
			MSRPD	ug/L	0.2000	2.4%	≤20	
	245.1	09/29/17:214696AC	CCV	ppt	200.0	106 %	90-110	
			CCB	ppt		-6.7	20	
			CCV	ppt	200.0	106 %	90-110	
			CCB	ppt		-6.7	20	
Aluminum	3010	09/18/17:211156amb	Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	100 %	85-115	
			MS	ug/L	40.00	68.8 %	75-125	435
		(CC 1783488-001)	MSD	ug/L	40.00	93.3 %	75-125	
			MSRPD	ug/L	40.00	10.8%	≤20.0	
			PDS	ug/L	40.00	85.0 %	75-125	
Antimony	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	104 %	85-115	
			MS	ug/L	40.00	104 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	2.8%	≤20.0	
			PDS	ug/L	40.00	102 %	75-125	
Arsenic	3010	09/18/17:211156amb	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	88.3 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	87.9 %	75-125	
			MSRPD	ug/L	40.00	0.4%	≤20	
			PDS	ug/L	40.00	88.3 %	75-125	
Barium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	111 %	85-115	
			MS	ug/L	40.00	100 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	110 %	75-125	
			MSRPD	ug/L	40.00	5.1%	≤20.0	
			PDS	ug/L	40.00	109 %	75-125	
Beryllium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	98.4 %	85-115	
			MS	ug/L	40.00	87.4 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	89.1 %	75-125	
			MSRPD	ug/L	40.00	2.0%	≤20.0	
			PDS	ug/L	40.00	88.3 %	75-125	
Cadmium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	114 %	85-115	
			MS	ug/L	40.00	101 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	98.5 %	75-125	
			MSRPD	ug/L	40.00	2.1%	≤20	
			PDS	ug/L	40.00	99.1 %	75-125	
Chromium	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	100 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	98.7 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20	
			PDS	ug/L	40.00	98.6 %	75-125	
Copper	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	97.3 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	95.7 %	75-125	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Copper	3010	09/18/17:211156amb	MSRPD	ug/L	40.00	1.6%	≤20.0	
			PDS	ug/L	40.00	95.8 %	75-125	
Lead	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	109 %	85-115	
			MS	ug/L	40.00	104 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	2.5%	≤20.0	
			PDS	ug/L	40.00	101 %	75-125	
Nickel	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	110 %	85-115	
			MS	ug/L	40.00	100 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	98.8 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20	
			PDS	ug/L	40.00	99.2 %	75-125	
Selenium	3010	09/18/17:211156amb	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	108 %	80-120	
			MS	ug/L	40.00	85.1 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	84.5 %	75-125	
			MSRPD	ug/L	40.00	0.7%	≤20	
			PDS	ug/L	40.00	85.1 %	75-125	
Silver	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.25	
			LCS	ug/L	40.00	107 %	85-115	
			MS	ug/L	40.00	94.1 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	91.6 %	75-125	
			MSRPD	ug/L	40.00	2.7%	≤20.0	
			PDS	ug/L	40.00	92.3 %	75-125	
Thallium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	109 %	85-115	
			MS	ug/L	40.00	103 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	100 %	75-125	
			MSRPD	ug/L	40.00	2.6%	≤20.0	
			PDS	ug/L	40.00	101 %	75-125	
Wet Chem								
Oil and Grease	1664A	09/19/17:211254AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	90.3 %	78-114	
			BS	mg/L	44.89	78.1 %	78-114	
			BSD	mg/L	44.89	73.6 %	78-114	436
			BSRPD	mg/L	44.89	5.8%	≤18	
	1664A	09/21/17:211359AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	93.8 %	78-114	
			BS	mg/L	44.89	101 %	78-114	
			BSD	mg/L	44.89	107 %	78-114	
			BSRPD	mg/L	44.89	6.1%	≤18	
Color	2120B	(SP 1711169-001)	Dup	units		0.0	5	
	2120B	09/14/17:213913jmg	CCB	units		0.00	5.0	
			CCV	units	10.00	100 %	90-110	
Turbidity	2130B	(SP 1711104-019)	Dup	NTU		0.0050	0.1	
	2130B	09/14/17:213906jba	CCV	NTU	10.00	103 %	90-110	
			CCB	NTU		0.094	0.1	
			CCV	NTU	10.00	104 %	90-110	
			CCB	NTU		0.094	0.1	
Odor	2150B	(SP 1711160-002)	Dup	TON		0.0	1	
Chromium VI	218.6	09/18/17:211232JDD	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	100 %	90-110	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chromium VI	218.6		MS	ug/L	2.000	78.2 %	75-125	
		(STK1751572-001)	MSD	ug/L	2.000	92.9 %	75-125	
			MSRPD	ug/L	2.000	2.8%	≤20	
			MS	ug/L	2.000	104 %	75-125	
		(CH 1777845-001)	MSD	ug/L	2.000	106 %	75-125	
			MSRPD	ug/L	2.000	1.8%	≤20	
	218.6	09/18/17:214067JDD	CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	102 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	101 %	95-105	
Alkalinity (as CaCO3)	2320B	(CH 1777914-001)	Dup	mg/L		82.5%	10	440
	2320B	09/14/17:213886AMB	CCV	mg/L	234.9	89.8 %	90-110	
			CCV	mg/L	234.9	92.2 %	90-110	
Bicarbonate	2320B	(CH 1777914-001)	Dup	mg/L		82.4%	10	440
Carbonate	2320B	(CH 1777914-001)	Dup	mg/L		0.0	10	
Hydroxide	2320B	(CH 1777914-001)	Dup	mg/L		0.0	10	
Conductivity	2510B	09/14/17:213819JMG	ICB	umhos/cm		0.60	1	
			CCV	umhos/cm	998.0	105 %	95-105	
			CCV	umhos/cm	998.0	104 %	95-105	
E. C.	2510B	09/14/17:211033jmg	Blank	umhos/cm		ND	<1	
		(SP 1711151-001)	Dup	umhos/cm		0.0%	5	
Total Dissolved Solids (TFR)	2540CE	09/15/17:211113CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	997.3	96.5 %	90-110	
		(CC 1783529-001)	Dup	mg/L		1.0%	5	
		(CC 1783529-002)	Dup	mg/L		1.1%	5	
	2540CE	09/18/17:211119CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	997.3	96.2 %	90-110	
		(CC 1783557-001)	Dup	mg/L		0.5%	5	
		(CC 1783557-002)	Dup	mg/L		0.6%	5	
Solids, Suspended	2540D	09/15/17:211211jba	Blank	mg/L		ND	<1	
			LCS	mg/L	50.14	106 %	61-112	
			LCS	mg/L	50.14	99.7 %	61-112	
		(CH 1777663-001)	Dup	mg/L		1.2%	20	
		(SP 1711186-001)	Dup	mg/L		13.8%	20	
Chloride	300.0		MS	mg/L	50.00	104 %	85-121	
		(VI 1744802-005)	MSD	mg/L	50.00	104 %	85-121	
			MSRPD	mg/L	10.00	0.02%	≤19	
			Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	107 %	90-110	
			MS	mg/L	50.00	92.3 %	85-121	
		(VI 1744799-002)	MSD	mg/L	50.00	93.5 %	85-121	
			MSRPD	mg/L	10.00	0.7%	≤19	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.11	1	
			CCV	mg/L	25.00	107 %	90-110	
			CCB	mg/L		0.00	1	
			CCV	mg/L	25.00	107 %	90-110	
	300.0	09/16/17:211151MCA	Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	107 %	90-110	
			MS	mg/L	50.00	97.6 %	85-121	
		(STK1751634-001)	MSD	mg/L	50.00	98.7 %	85-121	
			MSRPD	mg/L	10.00	0.8%	≤19	
			MS	mg/L	50.00	104 %	85-121	
		(STK1751673-001)	MSD	mg/L	50.00	104 %	85-121	
			MSRPD	mg/L	10.00	0.1%	≤19	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chloride	300.0	09/16/17:214207MCA	CCB	mg/L		0.11	1	
			CCV	mg/L	25.00	107 %	90-110	
			CCB	mg/L		0.08	1	
			CCV	mg/L	25.00	107 %	90-110	
Fluoride	300.0		MS	mg/L	5.000	96.7 %	87-120	
		(VI 1744802-005)	MSD	mg/L	5.000	96.7 %	87-120	
			MSRPD	mg/L	10.00	0.03%	≤16	
			Blank	mg/L		ND	<0.1	
			LCS	mg/L	2.500	107 %	90-110	
			MS	mg/L	5.000	104 %	87-120	
		(VI 1744799-002)	MSD	mg/L	5.000	106 %	87-120	
			MSRPD	mg/L	10.00	1.1%	≤16	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.500	106 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.500	106 %	90-110	
	300.0	09/16/17:211151MCA	Blank	mg/L		ND	<0.1	
			LCS	mg/L	2.500	107 %	90-110	
			MS	mg/L	5.000	105 %	87-120	
		(STK1751634-001)	MSD	mg/L	5.000	106 %	87-120	
			MSRPD	mg/L	10.00	0.9%	≤16	
			MS	mg/L	5.000	105 %	87-120	
		(STK1751673-001)	MSD	mg/L	5.000	105 %	87-120	
			MSRPD	mg/L	10.00	0.5%	≤16	
	300.0	09/16/17:214207MCA	CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.500	107 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.500	107 %	90-110	
Nitrate	300.0		MS	mg/L	40.00	104 %	85-119	
		(VI 1744802-005)	MSD	mg/L	40.00	103 %	85-119	
			MSRPD	mg/L	10.00	0.2%	≤19	
			Blank	mg/L		ND	<1.8	
			LCS	mg/L	20.00	108 %	90-110	
			MS	mg/L	40.00	113 %	85-119	
		(VI 1744799-002)	MSD	mg/L	40.00	111 %	85-119	
			MSRPD	mg/L	10.00	1.4%	≤19	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	107 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	107 %	90-110	
Nitrite	300.0		MS	mg/L	30.00	106 %	74-126	
		(VI 1744802-005)	MSD	mg/L	30.00	106 %	74-126	
			MSRPD	mg/L	10.00	0.1%	≤20	
			Blank	mg/L		ND	<0.5	
			LCS	mg/L	15.00	107 %	90-110	
			MS	mg/L	30.00	105 %	74-126	
		(VI 1744799-002)	MSD	mg/L	30.00	106 %	74-126	
			MSRPD	mg/L	10.00	1.2%	≤20	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.000	0.5	
			CCV	mg/L	15.00	107 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	15.00	107 %	90-110	
Sulfate	300.0		MS	mg/L	100.0	103 %	82-124	
		(VI 1744802-005)	MSD	mg/L	100.0	103 %	82-124	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Sulfate	300.0	09/14/17:211314mca	MSRPD	mg/L	10.00	0.03%	≤23	
			Blank	mg/L		ND	<0.5	
			LCS	mg/L	50.00	108 %	90-110	
			MS	mg/L	100.0	96.6 %	82-124	
		(VI 1744799-002)	MSD	mg/L	100.0	98.0 %	82-124	
			MSRPD	mg/L	10.00	1.0%	≤23	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.246	0.5	
			CCV	mg/L	50.00	107 %	90-110	
			CCB	mg/L		0.155	0.5	
			CCV	mg/L	50.00	108 %	90-110	
	300.0	09/16/17:211151MCA	Blank	mg/L		ND	<0.5	
			LCS	mg/L	50.00	108 %	90-110	
			MS	mg/L	100.0	103 %	82-124	
		(STK1751634-001)	MSD	mg/L	100.0	105 %	82-124	
			MSRPD	mg/L	10.00	1.0%	≤23	
			MS	mg/L	100.0	103 %	82-124	
		(STK1751673-001)	MSD	mg/L	100.0	103 %	82-124	
			MSRPD	mg/L	10.00	0.09%	≤23	
	300.0	09/16/17:214207MCA	CCB	mg/L		0.245	0.5	
			CCV	mg/L	50.00	108 %	90-110	
			CCB	mg/L		0.200	0.5	
			CCV	mg/L	50.00	108 %	90-110	
Perchlorate	314.0	09/22/17:211692MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	109 %	85-115	
			MS	ug/L	25.00	90.6 %	80-120	
		(SP 1711393-001)	MSD	ug/L	25.00	91.1 %	80-120	
			MSRPD	ug/L	25.00	0.6%	≤15	
			Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	96.7 %	85-115	
			BS	ug/L	25.00	91.9 %	80-120	
			BSD	ug/L	25.00	99.9 %	80-120	
			BSRPD	ug/L	25.00	7.9%	≤15	
	314.0	09/23/17:214659MCA	CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	103 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	109 %	85-115	
			CCB	ppb		0.54	2.0	
			CCV	ppb	10.00	111 %	85-115	
	314.0	10/06/17:212126MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	88.4 %	85-115	
			BS	ug/L	25.00	91.0 %	80-120	
			BSD	ug/L	25.00	94.0 %	80-120	
			BSRPD	ug/L	25.00	3.2%	≤15	
	314.0	10/07/17:215185MCA	CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	111 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	114 %	85-115	
Nitrogen, Total Kjeldahl	351.2	09/26/17:211532jmg	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	73.9 %	73-124	
			MS	mg/L	12.00	79.5 %	54-136	
		(SP 1711160-007)	MSD	mg/L	12.00	77.4 %	54-136	
			MSRPD	mg/L	12.00	2.4%	≤27	
	351.2	09/27/17:211581jmg	Blank	mg/L		ND	<1	
			LCS	mg/L	12.00	79.6 %	73-124	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2		MS	mg/L	12.00	82.5 %	54-136	
		(SP 1711160-010)	MSD	mg/L	12.00	77.8 %	54-136	
			MSRPD	mg/L	12.00	6.1%	≤27	
Chlorine	4500ClG	10/09/17:215175AMM	CCV	mg/L	0.9937	106 %	90-110	
			CCB	mg/L		-0.019	0.1	
			CCV	mg/L	0.9937	107 %	90-110	
			CCB	mg/L		-0.015	0.1	
			CCV	mg/L	0.9937	106 %	90-110	
			CCB	mg/L		-0.019	0.1	
Chlorine, Residual	4500ClG	(VI 1744426-001)	Dup	mg/L		0.0082	0.1	
Cyanide	4500CNCE	09/21/17:214193AMM	CCV	mg/L	0.1000	97.8 %	90-110	
			CCB	mg/L		-0.00102	0.004	
			CCV	mg/L	0.1000	97.2 %	90-110	
			CCB	mg/L		-0.00102	0.004	
			CCV	mg/L	0.1000	97.2 %	90-110	
			CCB	mg/L		-0.00102	0.004	
Cyanide, Total	4500CNCE	09/20/17:211253AMM	Blank	mg/L		ND	<0.004	
			LCS	mg/L	0.1000	107 %	90-110	
			LCS	mg/L	0.4000	105 %	90-110	
			MS	mg/L	0.05000	137 %	26-226	
		(SP 1711091-003)	MSD	mg/L	0.05000	132 %	26-226	
			MSRPD	mg/L	0.05000	3.4%	≤36	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	131 %	70-130	435
		(STK1751678-002)	MSD	mg/L	2.000	121 %	70-130	
			MSRPD	mg/L	2.000	6.3%	≤20	
			MS	mg/L	2.000	125 %	70-130	
		(SP 1711132-002)	MSD	mg/L	2.000	123 %	70-130	
			MSRPD	mg/L	2.000	1.4%	≤20	
	4500NH3G	09/15/17:213889AMB	ICB	mg/L		-0.077	0.2	
			ICV	mg/L	2.000	105 %	90-110	
			CCB	mg/L		-0.112	0.2	
			CCV	mg/L	2.000	103 %	90-110	
			CCB	mg/L		-0.071	0.2	
			CCV	mg/L	2.000	105 %	90-110	
			CCB	mg/L		-0.082	0.2	
			CCV	mg/L	2.000	106 %	90-110	
			CCB	mg/L		0.026	0.2	
			CCV	mg/L	2.000	107 %	90-110	
Nitrite as Nitrogen	4500NO2B		MS	mg/L	0.2284	61.7 %	1-173	
		(SP 1711128-004)	MSD	mg/L	0.2284	62.8 %	1-173	
			MSRPD	mg/L	0.2284	0.0025	≤0.1	
	4500NO2B	09/14/17:213881SJN	CCV	mg/L	0.1522	96.9 %	90-110	
			CCB	mg/L		-0.005	0.1	
			CCV	mg/L	0.1522	96.9 %	90-110	
			CCB	mg/L		-0.007	0.1	
	4500NO2F		MS	mg/L	1.218	102 %	50-150	
		(SP 1711129-001)	MSD	mg/L	1.218	97.4 %	50-150	
			MSRPD	mg/L	1.218	4.2%	≤30	
Nitrate + Nitrite as N	4500NO3F		MS	mg/L	28.04	39.2 %	5-285	
		(SP 1711129-001)	MSD	mg/L	28.04	39.6 %	5-285	
			MSRPD	mg/L	28.04	0.6%	≤30.4	
	4500NO3F	09/13/17:213823JDD	CCB	mg/L		0.084	0.1	
			CCV	mg/L	11.22	101 %	90-110	
			CCB	mg/L		0.075	0.1	

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrate + Nitrite as N	4500NO3F	09/13/17:213823JDD	CCV	mg/L	11.22	98.7 %	90-110	
	4500NO3F	(CC 1783529-001)	MS	mg/L	28.04	40.6 %	5-285	
			MSD	mg/L	28.04	39.2 %	5-285	
			MSRPD	mg/L	28.04	2.1%	≤30.4	
	4500NO3F	09/14/17:213926JDD	CCB	mg/L		0.012	0.1	
			CCV	mg/L	11.22	97.8 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCV	mg/L	11.22	97.2 %	90-110	
Nitrite as Nitrogen	4500NO3F	09/13/17:213776JDD	CCB	mg/L		0.0100	0.012	
			CCV	mg/L	1.218	103 %	90-110	
			CCB	mg/L		0.01100	0.012	
			CCV	mg/L	1.218	103 %	90-110	
Phosphorus	4500-P B	09/25/17:211523sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	97.4 %	90-116	
			MS	mg/L	0.2800	80.0 %	25-292	
		(CC 1783468-001)	MSD	mg/L	0.2800	71.0 %	25-292	
			MSRPD	mg/L	0.2800	2.8%	≤13.2	
Total Phosphorus	4500PE	09/25/17:214428SJN	CCB	mg/L		-0.005	0.1	
			CCV	mg/L	0.5000	99.4 %	90-110	
			CCB	mg/L		-0.002	0.1	
			CCV	mg/L	0.5000	96.3 %	90-110	
			CCB	mg/L		-0.01	0.1	
			CCV	mg/L	0.5000	101 %	90-110	
BOD	5210B	09/14/17:211056kmm	RgBlk	mg/L		0.20	2	
			LCS	mg/L	198.0	100 %	84.6-115	
		(CH 1777966-001)	Dup	mg/L		33.5%	15.9	440
		(CH 1777966-001)	Dup	mg/L		36.1%	15.9	440
	5210B	09/19/17:214116kmm	CCV	mg/L	1.000	102 %	80-120	
			CCV	mg/L	1.000	101 %	80-120	
MBAS	5540C	09/14/17:213899jba	CCB	mg/L		-0.0491	0.25	
			CCV	mg/L	1.000	99.4 %	90-110	
			CCB	mg/L		-0.0491	0.25	
			CCV	mg/L	1.000	98.9 %	90-110	
			CCB	mg/L		-0.0491	0.25	
			CCV	mg/L	1.000	99.4 %	90-110	
	5540C	09/15/17:214025jba	CCB	mg/L		-0.0491	0.25	
			CCV	mg/L	1.000	109 %	90-110	
			CCB	mg/L		-0.0491	0.25	
			CCV	mg/L	1.000	109 %	90-110	
MBAS Extraction	5540C	09/14/17:211090jba	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	98.9 %	86-114	
			BS	mg/L	0.5000	104 %	86-114	
			BSD	mg/L	0.5000	102 %	86-114	
			BSRPD	mg/L	0.5000	1.8%	≤5	
	5540C	09/15/17:211210jba	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	109 %	86-114	
			BS	mg/L	0.5000	106 %	86-114	
			BSD	mg/L	0.5000	104 %	86-114	
			BSRPD	mg/L	0.5000	1.8%	≤5	
Nitrogen, Total Kjeldahl	EPA351.2	09/28/17:214612AMB	ICB	mg/L		0.000	0.5	
			ICV	mg/L	5.000	102 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	104 %	90-110	
			CCB	mg/L		0.000	0.5	

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	EPA351.2	09/28/17:214612AMB	CCV	mg/L	5.000	106 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	105 %	90-110	

Definition

PDS	: PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery.
ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
<¼	: High Sample Background - Spike concentration was less than one forth of the sample concentration.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

220	: The CCB was greater than the DQO. However, all results were either five times greater than the CCB concentration or ND relative to the PQL.
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
436	: Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.
440	: Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Beta	900.0	10/06/17:215274aat	CCV	cpm	8678	90.5 %	83-94	
			CCB	cpm		0.1400	0.51	
	900.0	10/07/17:215207aat	CCV	cpm	8678	88.3 %	83-94	
			CCB	cpm		0.8200	1.03	
Gross Beta	900.0	10/04/17:211945aat	Blank	pCi/L		0.20	4	
			LCS	pCi/L	71.20	116 %	84-160	
			BS	pCi/L	71.20	111 %	80-130	
			BSD	pCi/L	71.20	119 %	80-130	
			BSRPD	pCi/L	107.8	7.3%	≤30	
Alpha	903.0	09/27/17:214650aat	CCV	cpm	8311	40.4 %	37-46	
			CCB	cpm		0.100	0.16	
Total Alpha Radium (226)	903.0	09/24/17:211451elc	RgBlk	pCi/L		0.01	2	
			LCS	pCi/L	21.85	53.6 %	52-107	
			BS	pCi/L	21.85	72.3 %	43-111	
			BSD	pCi/L	21.85	65.7 %	43-111	
			BSRPD	pCi/L	21.85	9.5%	≤35.5	
Tritium	906.0	09/16/17:211140elc	Blank	pCi/L		97	300	
			LCS	pCi/L	1652	124 %	75-125	
			BS	pCi/L	1652	110 %	75-125	
			BSD	pCi/L	1652	112 %	75-125	
			BSRPD	pCi/L	1652	1.6%	≤25	
	906.0	09/17/17:213990elc	CCV	pCi/L	28450	103 %	90-110	
			CCB	pCi/L		9	500	
Alpha	908.0	09/29/17:214757aat	CCV	cpm	8310	39.9 %	36-45	
			CCB	cpm		0.100	0.16	
Uranium	908.0	09/25/17:211488rmm	RgBlk	pCi/L		0.55	1	
			LRS	pCi/L	21.48	78.7 %	54-105	
			BS	pCi/L	21.48	121 %	75-125	
			BSD	pCi/L	21.48	104 %	75-125	
			BSRPD	pCi/L	21.48	15.0%	≤20	
Beta	Ra - 05	10/05/17:214669emv	CCV	cpm	8678	88.6 %	84-94	
			CCB	cpm		0.3200	0.48	
	Ra - 05	10/05/17:215053emv	CCV	cpm	8678	87.4 %	84-94	
			CCB	cpm		0.4400	0.58	
	Ra - 05	10/05/17:215054emv	CCV	cpm	8678	90.5 %	84-94	
			CCB	cpm		0.1400	0.51	
Ra 228	Ra - 05	10/01/17:211578emv	RgBlk	pCi/L		0.03	3	
			LRS	pCi/L	36.26	77.3 %	65-108	
			BS	pCi/L	36.26	93.8 %	75-125	
			BSD	pCi/L	36.26	94.5 %	75-125	
			BSRPD	pCi/L	36.26	0.7%	≤25	
Alpha	SM7110C	10/03/17:214934RMM	CCV	cpm	8307	39.9 %	26-59	
			CCB	cpm		0.0200	0.12	
	SM7110C	10/05/17:214935aat	CCV	cpm	8307	41.4 %	26-59	
			CCB	cpm		0.0400	0.08	
Gross Alpha	SM7110C	09/28/17:211691rmm	RgBlk	pCi/L		0.25	3	
			LCS	pCi/L	86.54	110 %	75-125	
			BS	pCi/L	86.54	115 %	60-140	
			BSD	pCi/L	86.54	122 %	60-140	
			BSRPD	pCi/L	86.54	5.8%	≤30	

Definition

CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

October 11, 2017 Lab ID : SP 1711160
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Radio

Definition	
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

September 22, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711160

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-EPA 547

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-22

Enclosure

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

Work Order Number: B7I1373
Received on Ice (Y/N): Yes Temp: 5 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

Lab Sample #	Client Sample ID	Matrix	Date Sampled	By	Date Submitted	By
B7I1373-01	MCWP-MW04S Grab	Water	09/13/17 8:00	Matt P./Ryan S	09/15/17 10:10	Courier (GSO)
B7I1373-02	SMBRP-12 Grab	Water	09/13/17 11:40	Matt P./Ryan S	09/15/17 10:10	Courier (GSO)
B7I1373-03	MCWP-MW09 Grab	Water	09/13/17 13:20	Matt P./Ryan S	09/15/17 10:10	Courier (GSO)

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

Work Order Number: B7I1373
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
B7I1373-01

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
MCWP-MW04S	Water	09/13/17 08:00	09/15/17 10:10

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Glyphosate by EPA 547							
Glyphosate	ND	25	ug/L	EPA 547	09/18/17 20:21	JHR	

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

Work Order Number: B7I1373
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
B7I1373-02

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
SMBRP-12	Water	09/13/17 11:40	09/15/17 10:10

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Glyphosate by EPA 547							
Glyphosate	ND	25	ug/L	EPA 547	09/18/17 20:38	JHR	

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

Work Order Number: B7I1373
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
B7I1373-03

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
MCWP-MW09	Water	09/13/17 13:20	09/15/17 10:10

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Glyphosate by EPA 547							
Glyphosate	ND	25	ug/L	EPA 547	09/18/17 20:56	JHR	

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

Work Order Number: B7I1373
Received on Ice (Y/N): Yes Temp: 5 °C

Glyphosate by EPA 547 - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7I18133 - None										
Blank (7I18133-BLK1)				Prepared & Analyzed: 09/18/17						
Glyphosate	ND	25	ug/L							
LCS (7I18133-BS1)				Prepared & Analyzed: 09/18/17						
Glyphosate	92.3	25	ug/L	100		92.3	80-120			
LCS Dup (7I18133-BSD1)				Prepared & Analyzed: 09/18/17						
Glyphosate	177	25	ug/L	200		88.3	80-120	4.40	40	
Matrix Spike (7I18133-MS1)		**Source: B7I1081-01**		Prepared & Analyzed: 09/18/17						
Glyphosate	91.3	25	ug/L	100	ND	91.3	66-126			
Matrix Spike (7I18133-MS2)		**Source: B7I1083-01**		Prepared & Analyzed: 09/18/17						
Glyphosate	93.4	25	ug/L	100	ND	93.4	66-126			

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

Work Order Number: B7I1373
Received on Ice (Y/N): Yes Temp: 5 °C

Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit **(if MDL is reported)**, otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted.

Nancy H. Boulineau For Cindy A. Waddell

cc:

e-Standard_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711160-(2-25173)

Work Order Number: B7I1373
Received on Ice (Y/N): Yes Temp: 5 °C

Subcontract to Babcock Laboratories, Inc.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711160 - (2-25173)**
Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

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)

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)	Sub Contracted-EPA 547	Map Ref.
2	MCWP-MW04S	09/13/17	08:00	G	MW													X	125 AMBER
4	SMBRP-12	09/13/17	11:40	G	MW													X	"
7	MCWP-MW09	09/13/17	13:20	G	MW													X	"

5° C. ON ICE INTACT

Remarks:

Relinquished: Date: 9/14/17 Time: 17:30
Received By: G50 Date: Time:

Relinquished: G50 Date: 9/15/17 Time: 10:10
Received By: Date: 9/15/17 Time: 10:10

Relinquished: Date: Time:
Received By: Date: Time:

B7I1373 NT
SEP 15 2017

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
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CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

September 26, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711160

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Bromate,Chlorite, Low-Level

Please note that this analysis was performed by Test America - Irvine (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-26

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-192309-1
Client Project/Site: SP 1711160 - (2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Authorized for release by:
9/25/2017 4:34:39 PM

Janice Hsu, Project Manager I
(949)261-1022
janice.hsu@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-192309-1	MCWP-MW04S	Water	09/13/17 08:00	09/15/17 08:45
440-192309-2	SMBRP-12	Water	09/13/17 11:40	09/15/17 08:45
440-192309-3	MCWP-MW09	Water	09/13/17 13:20	09/15/17 08:45

Job ID: 440-192309-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-192309-1

Comments
No additional comments.

Receipt
The samples were received on 9/15/2017 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

HPLC/IC
Method(s) 300.1B: The following samples were diluted for the chlorite analyte due to the nature of the sample matrix: MCWP-MW04S (440-192309-1), SMBRP-12 (440-192309-2) and MCWP-MW09 (440-192309-3). Elevated reporting limits (RLs) are provided.

Method(s) 300.1B: The following samples were diluted for the bromate analyte due to the nature of the sample matrix: MCWP-MW04S (440-192309-1), SMBRP-12 (440-192309-2) and MCWP-MW09 (440-192309-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

Client Sample ID: MCWP-MW04S

Lab Sample ID: 440-192309-1
Date Collected: 09/13/17 08:00
Matrix: Water
Date Received: 09/15/17 08:45

Method: 300.1B - Disinfection By-Products, (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		25	13	ug/L			09/17/17 19:16	5
Chlorite	ND		100	50	ug/L			09/17/17 19:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*106*		*90 - 115*		*09/17/17 19:16*	*5*
Dichloroacetic acid(Surr)	*106*		*90 - 115*		*09/17/17 19:16*	*5*

Client Sample ID: SMBRP-12

Lab Sample ID: 440-192309-2
Date Collected: 09/13/17 11:40
Matrix: Water
Date Received: 09/15/17 08:45

Method: 300.1B - Disinfection By-Products, (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		25	13	ug/L			09/17/17 19:52	5
Chlorite	ND		100	50	ug/L			09/17/17 19:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*99*		*90 - 115*		*09/17/17 19:52*	*5*
Dichloroacetic acid(Surr)	*99*		*90 - 115*		*09/17/17 19:52*	*5*

Client Sample ID: MCWP-MW09

Lab Sample ID: 440-192309-3
Date Collected: 09/13/17 13:20
Matrix: Water
Date Received: 09/15/17 08:45

Method: 300.1B - Disinfection By-Products, (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		25	13	ug/L			09/17/17 20:29	5
Chlorite	ND		100	50	ug/L			09/17/17 20:29	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*100*		*90 - 115*		*09/17/17 20:29*	*5*
Dichloroacetic acid(Surr)	*100*		*90 - 115*		*09/17/17 20:29*	*5*

Method Summary

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

Method	Method Description	Protocol	Laboratory
300.1B	Disinfection By-Products, (IC)	EPA	TAL IRV

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

Client Sample ID: MCWP-MW04S
Date Collected: 09/13/17 08:00
Date Received: 09/15/17 08:45

Lab Sample ID: 440-192309-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.1B		5			429422	09/17/17 19:16	YZ	TAL IRV
Total/NA	Analysis	300.1B		5			429423	09/17/17 19:16	YZ	TAL IRV

Client Sample ID: SMBRP-12
Date Collected: 09/13/17 11:40
Date Received: 09/15/17 08:45

Lab Sample ID: 440-192309-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.1B		5			429422	09/17/17 19:52	YZ	TAL IRV
Total/NA	Analysis	300.1B		5			429423	09/17/17 19:52	YZ	TAL IRV

Client Sample ID: MCWP-MW09
Date Collected: 09/13/17 13:20
Date Received: 09/15/17 08:45

Lab Sample ID: 440-192309-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.1B		5			429422	09/17/17 20:29	YZ	TAL IRV
Total/NA	Analysis	300.1B		5			429423	09/17/17 20:29	YZ	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 300.1B - Disinfection By-Products, (IC)

Lab Sample ID: MB 440-429422/5
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		5.0	2.5	ug/L			09/17/17 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*102*		*90 - 115*		*09/17/17 10:49*	*1*

Lab Sample ID: LCS 440-429422/4
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate			25.0	26.1		ug/L		104	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*102*		*90 - 115*

Lab Sample ID: MRL 440-429422/3
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate			5.00	6.05		ug/L		121	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*103*		*90 - 115*

Lab Sample ID: 440-192273-A-2 MS
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate	ND		50.0	58.4		ug/L		117	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*103*		*90 - 115*

Lab Sample ID: 440-192273-A-2 MSD
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromate	ND		50.0	61.5		ug/L		123	75 - 125	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*100*		*90 - 115*

Method: 300.1B - Disinfection By-Products, (IC) (Continued)

Lab Sample ID: MB 440-429423/5
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorite	ND		20	10	ug/L			09/17/17 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*102*		*90 - 115*		*09/17/17 10:49*	*1*

Lab Sample ID: LCS 440-429423/4
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite			100	111		ug/L		111	85 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*102*		*90 - 115*

Lab Sample ID: MRL 440-429423/3
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite			20.0	20.9		ug/L		104	10 - 200		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*103*		*90 - 115*

Lab Sample ID: 440-192273-A-2 MS
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite	21		200	242		ug/L		111	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*103*		*90 - 115*

Lab Sample ID: 440-192273-A-2 MSD
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorite	21		200	249		ug/L		114	75 - 125	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*100*		*90 - 115*

QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

HPLC/IC

Analysis Batch: 429422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-192309-1	MCWP-MW04S	Total/NA	Water	300.1B	
440-192309-2	SMBRP-12	Total/NA	Water	300.1B	
440-192309-3	MCWP-MW09	Total/NA	Water	300.1B	
MB 440-429422/5	Method Blank	Total/NA	Water	300.1B	
LCS 440-429422/4	Lab Control Sample	Total/NA	Water	300.1B	
MRL 440-429422/3	Lab Control Sample	Total/NA	Water	300.1B	
440-192273-A-2 MS	Matrix Spike	Total/NA	Water	300.1B	
440-192273-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.1B	

Analysis Batch: 429423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-192309-1	MCWP-MW04S	Total/NA	Water	300.1B	
440-192309-2	SMBRP-12	Total/NA	Water	300.1B	
440-192309-3	MCWP-MW09	Total/NA	Water	300.1B	
MB 440-429423/5	Method Blank	Total/NA	Water	300.1B	
LCS 440-429423/4	Lab Control Sample	Total/NA	Water	300.1B	
MRL 440-429423/3	Lab Control Sample	Total/NA	Water	300.1B	
440-192273-A-2 MS	Matrix Spike	Total/NA	Water	300.1B	
440-192273-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.1B	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 1711160 - (2-25173)

TestAmerica Job ID: 440-192309-1

Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-18
Arizona	State Program	9	AZ0671	10-14-17 *
California	LA Cty Sanitation Districts	9	10256	06-30-18
California	State Program	9	CA ELAP 2706	06-30-18
Guam	State Program	9	Cert. No. 17-003R	01-23-18
Hawaii	State Program	9	N/A	01-29-18
Kansas	NELAP Secondary AB	7	E-10420	07-31-17 *
Nevada	State Program	9	CA015312018-1	07-31-18
New Mexico	State Program	6	N/A	01-29-18 *
Northern Mariana Islands	State Program	9	MP0002	01-29-17 *
Oregon	NELAP	10	4028	01-29-18
USDA	Federal		P330-15-00184	07-08-18
Washington	State Program	10	C900	09-03-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Subcontract to
Test America - Irvine

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine								
2	MCWP-MW04S	09/13/17	08:00	G	MW				1								
4	SMBRP-12	09/13/17	11:40	G	MW				1								
7	MCWP-MW09	09/13/17	13:20	G	MW				1								

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/14/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO				9/14/17	0815			

5376160411

3.5/3.8-84

9/15

Page 13 of 14

9/25/2017

1140-192309 Chain of Custody

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 440-192309-1

Login Number: 192309
List Number: 1
Creator: Garcia, Veronica G

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

September 28, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711160

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 525

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-28

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1807

Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
09/28/2017

EUROFINS EATON ANALYTICAL, INC.

NELAP ACCREDITED TNI LABORATORY ORELAP 4034

Report: 686847
Project: DRINKING
Group: ORGANICS - EPA 500's

MP6E: Alicia Del Carlo

Project Manager

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Michigan**	9906
Arizona	AZ0778	**Mississippi**	Certified
Arkansas	Certified	**Montana**	Cert 0035
California-Monrovia-ELAP	2813	**Nebraska**	Certified
California-Colton- ELAP	2812	**Nevada**	CA00006-2016
California-Folsom- ELAP	2820	**New Hampshire ***	2959
California-Fresno- ELAP	2966	**New Jersey ***	CA 008
Colorado	Certified	**New Mexico**	Certified
Connecticut	PH-0107	**New York ***	11320
Delaware	CA 006	**North Carolina**	06701
Florida *	E871024	**North Dakota**	R-009
Georgia	947	**Oregon (Primary AB) ***	**ORELAP 4034**
Guam	17-005R	**Pennsylvania ***	68-565
Hawaii	Certified	**Puerto Rico**	Certified
Idaho	Certified	**Rhode Island**	LAO00326
Illinois *	200033	**South Carolina**	87016
Indiana	C-CA-01	**South Dakota**	Certified
Iowa - Asbestos	413	**Tennessee**	TN02839
Kansas *	E-10268	**Texas ***	T104704230-16-11
Kentucky	90107	**Utah ***	CA000062017-11
Louisiana *	LA170009	**Vermont**	VT0114
Maine	CA0006	**Virginia ***	460260
Maryland	224	**Washington**	C838
Commonwealth of Northern Marianas Is.	MP0004	**EPA Region 5**	Certified
Massachusetts	M-CA006	**Los Angeles County Sanitation Districts**	10264

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 626-386-1101
www.EatonAnalytical.com

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
Bicarbonate Alkalinity as HCO3	SM 2320B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1623	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	x		x
NDMA	TQ In house method based on EPA 521 (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	x		
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Semi-VOC	EPA 625		x	x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-$S^{=}$ D		x	
Sulfite	SM 4500-SO^{3}B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

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Acknowledgement of Samples Received

Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 686847
Project: DRINKING (SP 1711160)
Sample Group: ORGANICS - EPA 500's

Project Manager: Alicia Del Carlo
Phone: 559-797-1931

The following samples were received from you on **September 15, 2017** at **1922**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, Inc..

Sample #	Sample ID	Sample Date
201709150754	TRAVEL BLANK - Hold	09/13/2017 0000
	@525_FGL_SHORT TBC	
201709150755	MCWP-MW04S	09/13/2017 0800
	@525_FGL_SHORT	
201709150756	SMBRP-12	09/13/2017 1140
	@525_FGL_SHORT	

Test Description

@525_FGL_SHORT -- Semivolatiles by GCMS

@525_FGL_SHORT TBC -- Semivolatiles by GCMS

Subcontract to
Eurofins Eaton Analytical, Inc.

686847

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	Map Ref.
0	Travel Blank	09/13/17	00:00	G	LBW				1	
2	MCWP-MW04S	09/13/17	08:00	G	MW				1	
4	SMBRP-12	09/13/17	11:40	G	MW				1	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/14/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	9/15/17	1922						

INTERNAL CHAIN OF CUSTODY RECORD

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EEA Folder Number: 686847

SAMPLE TEMP RECEIVED:

IR Gun ID = 569A (Observation= 5.8 °C) (Corr.Factor -0.2 °C) (Final = 5.6 °C)

SAMPLES REC'D DAY OF COLLECTION? ____

CONDITION OF ICE: Frozen ✓ Partially Frozen ____ Thawed ____ N/A ____

TYPE OF ICE: Real ✓ Synthetic ____ No Ice ____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GSO

Compliance Acceptance Criteria:

1) Chemistry: ≥0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

- If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)
3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

4) UCMR3 : 524.3: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)
(non-GLEC) 522: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

≤10°C if received within 48 hours of sample collection (not the same business day); ≤6°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia /Cryptosporidium: <20 °C, not frozen (received after 8 hours of sample collection)

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Crypto: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

E.Coli: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

RECEIVED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
			Eurofins Eaton Analytical	9/15/17	9:22

Page ___ of ___

GSO

800-322-5555
www.gso.com

Ship From
FRUIT GROWERS LABORATORY, INC.
BRANDON QUELL
853 CORPORATION ST
SANTA PAULA, CA 93060

Ship To
EUROFINS EATON ANALYTICAL
ATTN: MONICA VANNATTA
750 ROYAL OAKS DRIVE STE#100
MONROVIA, CA 91016

COD: $0.00
Weight: 47 lb(s)
Reference:
SP1711220-9/14/17-BQ
Delivery Instructions:

Signature Type: REQUIRED

Tracking #: 537615985

PDS

NWK
MONROVIA

E

D91006A

72255187

Print Date: 9/14/2017 4:20 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

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Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 686847
Project: DRINKING (SP 1711160)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

The Comments Report may be blank if there are no comments for this report.

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Laboratory Hits

Report: 686847
Project: DRINKING (SP 1711160)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/15/2017 1922

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data

Report: 686847
Project: DRINKING (SP 1711160)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/15/2017 1922

Prepared	Analyzed	Prep Batch	Analyze Batch	Method	Analyte	Result	Units	MDL	MRL	Dilution
MCWP-MW04S (201709150755)							**Sampled on 09/13/2017 0800**			
				EPA 525.2 - Semivolatiles by GCMS						
09/20/17	09/26/17 9:27	1028843	1030693	(EPA 525.2)	Benzo(a)pyrene	ND	ug/L	0.011	0.02	1
09/20/17	09/26/17 9:27	1028843	1030693	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.063	0.6	1
09/20/17	09/26/17 9:27	1028843	1030693	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	ND	ug/L	0.15	0.6	1
09/20/17	09/26/17 9:27	1028843	1030693	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	107	%			1
09/20/17	09/26/17 9:27	1028843	1030693	(EPA 525.2)	Acenaphthene-d10	81	%			1
09/20/17	09/26/17 9:27	1028843	1030693	(EPA 525.2)	Chrysene-d12	78	%			1
09/20/17	09/26/17 9:27	1028843	1030693	(EPA 525.2)	Perylene-d12	90	%			1
09/20/17	09/26/17 9:27	1028843	1030693	(EPA 525.2)	Phenanthrene-d10	81	%			1
SMBRP-12 (201709150756)							**Sampled on 09/13/2017 1140**			
				EPA 525.2 - Semivolatiles by GCMS						
09/20/17	09/26/17 9:51	1028843	1030693	(EPA 525.2)	Benzo(a)pyrene	ND	ug/L	0.011	0.02	1
09/20/17	09/26/17 9:51	1028843	1030693	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.063	0.6	1
09/20/17	09/26/17 9:51	1028843	1030693	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	ND	ug/L	0.15	0.6	1
09/20/17	09/26/17 9:51	1028843	1030693	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	105	%			1
09/20/17	09/26/17 9:51	1028843	1030693	(EPA 525.2)	Acenaphthene-d10	77	%			1
09/20/17	09/26/17 9:51	1028843	1030693	(EPA 525.2)	Chrysene-d12	80	%			1
09/20/17	09/26/17 9:51	1028843	1030693	(EPA 525.2)	Perylene-d12	102	%			1
09/20/17	09/26/17 9:51	1028843	1030693	(EPA 525.2)	Phenanthrene-d10	82	%			1

Rounding on totals after summation.
(c) - Indicates calculated results.
ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.

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Laboratory QC Summary

Report: 686847
Project: DRINKING (SP 1711160)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

Semivolatiles by GCMS

Prep Batch: 1028843 **Analytical Batch: 1030693** **Analysis Date: 09/26/2017**

201709150754	TRAVEL BLANK - Hold	Analyzed by: KAM
201709150755	MCWP-MW04S	Analyzed by: KAM
201709150756	SMBRP-12	Analyzed by: KAM

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Report: 686847
Project: DRINKING (SP 1711160)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Semivolatiles by GCMS by EPA 525.2									
Prep Batch: 1028843 Analytical Batch: 1030693							**Analysis Date: 09/26/2017**		
LCS1	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
LCS2	1,3-Dimethyl-2-nitrobenzene (S)			99.4	%	99	(70-130)		
MBLK	1,3-Dimethyl-2-nitrobenzene (S)			108	%	108	(70-130)		
MRL_CHK	1,3-Dimethyl-2-nitrobenzene (S)			106	%	106	(70-130)		
MS_201709200167	1,3-Dimethyl-2-nitrobenzene (S)			124	%	124	(70-130)		
MSD_201709200167	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
LCS1	Acenaphthene-d10 (I)			73.9	%	74	(50-150)		
LCS2	Acenaphthene-d10 (I)			67.9	%	68	(50-150)		
MBLK	Acenaphthene-d10 (I)			68.9	%	69	(50-150)		
MRL_CHK	Acenaphthene-d10 (I)			93.5	%	94	(50-150)		
MS_201709200167	Acenaphthene-d10 (I)			58.3	%	58	(50-150)		
MSD_201709200167	Acenaphthene-d10 (I)			73.2	%	73	(50-150)		
LCS1	Benzo(a)pyrene		2	2.15	ug/L	107	(70-130)		
LCS2	Benzo(a)pyrene		2	2.07	ug/L	103	(70-130)	20	3.8
MBLK	Benzo(a)pyrene			<0.01	ug/L				
MRL_CHK	Benzo(a)pyrene		0.02	0.0180	ug/L	90	(50-150)		
MS_201709200167	Benzo(a)pyrene	ND	2	2.08	ug/L	104	(70-130)		
MSD_201709200167	Benzo(a)pyrene	ND	2	1.90	ug/L	95	(70-130)	20	9.1
LCS1	Chrysene-d12 (I)			74.6	%	75	(50-150)		
LCS2	Chrysene-d12 (I)			82.3	%	82	(50-150)		
MBLK	Chrysene-d12 (I)			62.4	%	62	(50-150)		
MRL_CHK	Chrysene-d12 (I)			88.5	%	89	(50-150)		
MS_201709200167	Chrysene-d12 (I)			70.8	%	71	(50-150)		
MSD_201709200167	Chrysene-d12 (I)			89.8	%	90	(50-150)		
LCS1	Di-(2-Ethylhexyl)adipate		2	2.38	ug/L	119	(70-130)		
LCS2	Di-(2-Ethylhexyl)adipate		2	2.29	ug/L	115	(70-130)	20	3.9
MBLK	Di-(2-Ethylhexyl)adipate			<0.15	ug/L				
MRL_CHK	Di-(2-Ethylhexyl)adipate		0.3	0.338	ug/L	113	(50-150)		
MS_201709200167	Di-(2-Ethylhexyl)adipate	ND	2	2.26	ug/L	113	(70-130)		
MSD_201709200167	Di-(2-Ethylhexyl)adipate	ND	2	2.26	ug/L	113	(70-130)	20	0.0
LCS1	Di(2-Ethylhexyl)phthalate		2	2.46	ug/L	123	(70-130)		
LCS2	Di(2-Ethylhexyl)phthalate		2	2.16	ug/L	108	(70-130)	20	13
MBLK	Di(2-Ethylhexyl)phthalate			<0.15	ug/L				
MRL_CHK	Di(2-Ethylhexyl)phthalate		0.6	0.797	ug/L	133	(50-150)		
MS_201709200167	Di(2-Ethylhexyl)phthalate	ND	2	2.37	ug/L	118	(70-130)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Report: 686847
Project: DRINKING (SP 1711160)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201709200167	Di(2-Ethylhexyl)phthalate	ND	2	2.21	ug/L	110	(70-130)	20	7.0
LCS1	Perylene-d12 (S)			97.1	%	97	(70-130)		
LCS2	Perylene-d12 (S)			95.2	%	95	(70-130)		
MBLK	Perylene-d12 (S)			92.0	%	92	(70-130)		
MRL_CHK	Perylene-d12 (S)			91.9	%	92	(70-130)		
MS_201709200167	Perylene-d12 (S)			68.5	%	**69**	(70-130)		
MSD_201709200167	Perylene-d12 (S)			91.2	%	91	(70-130)		
LCS1	Phenanthrene-d10 (I)			74.4	%	74	(50-150)		
LCS2	Phenanthrene-d10 (I)			74.9	%	75	(50-150)		
MBLK	Phenanthrene-d10 (I)			67.3	%	67	(50-150)		
MRL_CHK	Phenanthrene-d10 (I)			90.5	%	91	(50-150)		
MS_201709200167	Phenanthrene-d10 (I)			71.2	%	71	(50-150)		
MSD_201709200167	Phenanthrene-d10 (I)			85.5	%	86	(50-150)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

September 29, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711160

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted- Strontium 90 by EPA 905.0 W/7- Day In-Growth

Please note that this analysis was performed by Test America- St. Louis Missouri

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-29

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-24510-1
Client Project/Site: SP 1711160-(2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Rhonda Ridenhower

Authorized for release by:
9/29/2017 12:14:05 PM

Rhonda Ridenhower, Manager of Project Management
(314)298-8566
rhonda.ridenhower@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 160-24510-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: FGL Environmental

Project: SP 1711160-(2-25173)

Report Number: 160-24510-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/15/2017; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 18.0º C and 18.0º C.

STRONTIUM-90 (GFPC)

Samples MCWP-MW04S (160-24510-1), SMBRP-12 (160-24510-2) and MCWP-MW09 (160-24510-3) were analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 09/19/2017 and analyzed on 09/27/2017.

Insufficient sample volume was available to perform a sample duplicate (DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.
MCWP-MW04S (160-24510-1), SMBRP-12 (160-24510-2) and MCWP-MW09 (160-24510-3)

The following samples were reduced due to heavy amounts of sediment making sample murky and brown.SMBRP-12 (160-24510-2) and MCWP-MW09 (160-24510-3)

Job ID: 160-24510-1 (Continued)

Laboratory: TestAmerica St. Louis (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Subcontract to
Test America- St. Louis Missouri

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Method of Sampling: Composite(C) Grab(G)
Type of Sample **SEE REVERSE SIDE**
Potable(P) Non-Potable(NP) Ag Water(AgW)
Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)
Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)
Sub Contracted- Strontium 90 by EPA 905.0 W/7- Day In-Growth

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling	Type of Sample	Potable(P)	Bacti Type	Bacti Reason	Sub Contracted- Strontium 90 by EPA 905.0 W/7- Day In-Growth
2	MCWP-MW04S	09/13/17	08:00	G	MW				X
4	SMBRP-12	09/13/17	11:40	G	MW				X
7	MCWP-MW09	09/13/17	13:20	G	MW				X

160-24510 Chain of Custody

Remarks:

Relinquished Date: 9/14/17 Time: 17:30

Received By: GSO Date: Time:

Relinquished Date: Time:

Received By: Date: 9/15/17 Time: ~~10~~ 0900 RMT 9/15/17

Relinquished Date: Time:

Received By: Date: Time:

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 160-24510-1

Login Number: 24510
List Number: 1
Creator: Taylor, Kristene N

List Source: TestAmerica St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	COC not relinquished.
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

Method	Method Description	Protocol	Laboratory
905	Strontium-90 (GFPC)	EPA	TAL SL

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-24510-1	MCWP-MW04S	Water	09/13/17 08:00	09/15/17 09:00
160-24510-2	SMBRP-12	Water	09/13/17 11:40	09/15/17 09:00
160-24510-3	MCWP-MW09	Water	09/13/17 13:20	09/15/17 09:00

Client Sample ID: MCWP-MW04S

Lab Sample ID: 160-24510-1
Date Collected: 09/13/17 08:00
Matrix: Water
Date Received: 09/15/17 09:00

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.571		0.339	0.343	3.00	0.523	pCi/L	09/19/17 10:00	09/27/17 18:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*73.8*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:11*	*1*
Y Carrier	*101*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:11*	*1*

Client Sample ID: SMBRP-12

Lab Sample ID: 160-24510-2
Date Collected: 09/13/17 11:40
Matrix: Water
Date Received: 09/15/17 09:00

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.344	U	0.309	0.310	3.00	0.498	pCi/L	09/19/17 10:00	09/27/17 18:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*83.4*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:11*	*1*
Y Carrier	*87.9*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:11*	*1*

Client Sample ID: MCWP-MW09

Lab Sample ID: 160-24510-3
Date Collected: 09/13/17 13:20
Matrix: Water
Date Received: 09/15/17 09:00

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	-0.00420	U	0.225	0.225	3.00	0.402	pCi/L	09/19/17 10:00	09/27/17 18:11	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*85.0*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:11*	*1*
Y Carrier	*100*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:11*	*1*

Method: 905 - Strontium-90 (GFPC)

Lab Sample ID: MB 160-327874/1-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 327874

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	-0.1239	U	0.233	0.233	3.00	0.435	pCi/L	09/19/17 10:00	09/27/17 18:10	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*82.4*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:10*	*1*
Y Carrier	*99.4*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:10*	*1*

Lab Sample ID: LCS 160-327874/2-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327874

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Strontium-90			11.2	10.01		1.04	3.00	0.307	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Sr Carrier	*91.1*		*40 - 110*
Y Carrier	*102*		*40 - 110*

Lab Sample ID: LCSD 160-327874/3-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 327874

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Strontium-90			11.2	10.21		1.07	3.00	0.359	pCi/L	91	75 - 125	0.09	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Sr Carrier	*89.9*		*40 - 110*
Y Carrier	*97.9*		*40 - 110*

QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

Rad

Prep Batch: 327874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-24510-1	MCWP-MW04S	Total/NA	Water	PrecSep-7	
160-24510-2	SMBRP-12	Total/NA	Water	PrecSep-7	
160-24510-3	MCWP-MW09	Total/NA	Water	PrecSep-7	
MB 160-327874/1-A	Method Blank	Total/NA	Water	PrecSep-7	
LCS 160-327874/2-A	Lab Control Sample	Total/NA	Water	PrecSep-7	
LCSD 160-327874/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-7	

Tracer/Carrier Summary

Client: FGL Environmental
Project/Site: SP 1711160-(2-25173)

TestAmerica Job ID: 160-24510-1

Method: 905 - Strontium-90 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Sr (C) (40-110)	Y (40-110)
160-24510-1	MCWP-MW04S	73.8	101
160-24510-2	SMBRP-12	83.4	87.9
160-24510-3	MCWP-MW09	85.0	100
LCS 160-327874/2-A	Lab Control Sample	91.1	102
LCSD 160-327874/3-A	Lab Control Sample Dup	89.9	97.9
MB 160-327874/1-A	Method Blank	82.4	99.4

Tracer/Carrier Legend

Sr (C) = Sr Carrier
Y = Y Carrier

October 3, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Amended Subcontract Analysis for FGL Lab No. SP 1711160

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted - Asbestos (Amended to include MDL.)

Please note that this analysis was performed by LA Testing

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-03

Enclosure

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321721950
Customer ID: FGLE25
Customer PO:
Project ID:

Attn: Confirmations Log in
FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/13/2017
Received: 09/15/2017
Analyzed: 09/29/2017

Proj: SP 1711160 - (2-225173)

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
2 321721950-0001	9/14/2017 03:20 PM	5	1288	0.2560	None Detected	ND	1.00	<1.00	0.00 - 3.70
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									
4 321721950-0002	9/14/2017 03:20 PM	5	1288	0.2560	None Detected	ND	1.00	<1.00	0.00 - 3.70
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									
7 321721950-0003	9/14/2017 03:20 PM	5	1288	0.2560	None Detected	ND	1.00	<1.00	0.00 - 3.70
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.									

MDL FOR THE TEM EPA 100.2 mETHOD (EPA 600/R-94/134) IS 0.2MFL

Analyst(s)
Sherrie Ahmad (3)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Report amended: 10/03/2017 13:23:53 Replaces initial report from:09/29/2017 08:58:22 Reason Code: ADD A COMMENT

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

Subcontract to LA Testing

#3217219 50

OrderID: 321721950

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s)

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)	Map Ref.
2	MCWP-MW04S	09/13/17	08:00	G	MW				1	#3217219 50
4	SMBRP-12	09/13/17	11:40	G	MW				1	
7	MCWP-MW09	09/13/17	13:20	G	MW				1	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/13/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	↓	↓	[signature] FE	9/14/17	0930			

5.4°C

Page 1 Of 1

October 6, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711160

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-06

Enclosure

October 05, 2017

Vista Work Order No. 1701258

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 15, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1711160-(2-25173)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Karen J. Volpendesta for

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1701258
Case Narrative

Sample Condition on Receipt:

Three monitoring well samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1613B

These samples were extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613B using a ZB-5MS GC column.

Holding Times

These samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701258-01	MCWP-MW04S	13-Sep-17 08:00	15-Sep-17 10:00	Amber Glass NM Bottle, 1L
1701258-02	SMBRP-12	13-Sep-17 11:40	15-Sep-17 10:00	Amber Glass NM Bottle, 1L
1701258-03	MCWP-MW09	13-Sep-17 13:20	15-Sep-17 10:00	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank — **EPA Method 1613B**

Matrix:	Aqueous	QC Batch:	B7I0161	Lab Sample:	B7I0161-BLK1
Sample Size:	1.00 L	Date Extracted:	29-Sep-2017 10:00	Date Analyzed :	03-Oct-17 17:18 Column: ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	5.00	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	88.7	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	100	42 - 164	

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

Sample ID:	**OPR**				**EPA Method 1613B**
Matrix:	Aqueous	QC Batch:	B7I0161	Lab Sample:	B7I0161-BS1
Sample Size:	1.00 L	Date Extracted:	29-Sep-2017 10:00	Date Analyzed:	03-Oct-17 15:41 Column: ZB-5MS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits
2,3,7,8-TCDD	191	200	95.4	73 - 146

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	95.5	25 - 141
CRS	37Cl-2,3,7,8-TCDD	111	37 - 158

LCL-UCL - Lower control limit - upper control limit

Sample ID: MCWP-MW04S

EPA Method 1613B

Client Data

Name: FGL Environmental, Inc.
Project: SP 1711160-(2-25173)
Date Collected: 13-Sep-2017 8:00

Sample Data

Matrix: Monitoring Well
Sample Size: 1.04 L

Laboratory Data

Lab Sample: 1701258-01 Date Received: 15-Sep-2017 10:00
QC Batch: B7I0161 Date Extracted: 29-Sep-2017 10:00
Date Analyzed : 04-Oct-17 11:37 Column: ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	4.81	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	84.4	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	108	42 - 164	

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

Sample ID: SMBRP-12 **EPA Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	FGL Environmental, Inc.	Matrix:	Monitoring Well	Lab Sample:	1701258-02	Date Received:	15-Sep-2017 10:00
Project:	SP 1711160-(2-25173)	Sample Size:	1.02 L	QC Batch:	B7I0161	Date Extracted:	29-Sep-2017 10:00
Date Collected:	13-Sep-2017 11:40			Date Analyzed :	04-Oct-17 12:25	Column:	ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	4.88	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	87.9	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	113	42 - 164	

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

Sample ID: MCWP-MW09 **EPA Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	FGL Environmental, Inc.	Matrix:	Monitoring Well	Lab Sample:	1701258-03	Date Received:	15-Sep-2017 10:00
Project:	SP 1711160-(2-25173)	Sample Size:	1.02 L	QC Batch:	B7I0161	Date Extracted:	29-Sep-2017 10:00
Date Collected:	13-Sep-2017 13:20			Date Analyzed :	04-Oct-17 15:33	Column:	ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	4.88	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	87.3	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	109	42 - 164	

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	**This compound was also detected in the method blank.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Reporting Limit/LOQ.**
M	**Estimated Maximum Possible Concentration. (CA Region 2 projects only)**
*****	**See Cover Letter**
Conc.	**Concentration**
NA	**Not applicable**
ND	**Not Detected**
TEQ	**Toxic Equivalency**
U	**Not Detected (specific projects only)**

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Subcontract to
Vista Analytical Laboratory

1701258, 2.7°C

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)
2	MCWP-MW04S	09/13/17	08:00	G	MW				1
4	SMBRP-12	09/13/17	11:40	G	MW				1
7	MCWP-MW09	09/13/17	13:20	G	MW				1

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/14/17	17:30	GSO	9/15/17	1000			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	↓	↓	[signature]	9/15/17	1010			

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1701258 **TAT** Std

Samples Arrival:	**Date/Time** 09/15/17 1000	**Initials:** SR	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 09/15/17 1633	**Initials:** SR	**Location:** WR-2 **Shelf/Rack:** A1

Delivered By:	FedEx	UPS	On Trac	(GSO)	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Dry Ice		None

Temp °C: 2.6 (uncorrected)	**Time:** 1002	**Thermometer ID:** IR-1
Temp °C: 2.7 (corrected)	**Probe used:** Yes☐ No☐	

	YES	NO	NA
Adequate Sample Volume Received? 1 Liter each	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Shipping Documentation Present?	✓		
Airbill Trk # 537616007	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	✓

If Chlorinated or Drinking Water Samples, Acceptable Preservation?						✓
Preservation Documented:	$Na_2S_2O_3$	Trizma	None		Yes	(No) (NA)
Shipping Container	Vista	(Client)	Retain	Return	Dispose	

Comments: SMBRP-12 ⊛ Sample container label received ripped but legible Sample ID
SR 9/18/17

October 24, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analyses for FGL Lab No. SP 1711160

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-EstradiolPharma Positive:Caffiene, DEET, SucralosePharma Negative: Triclosan
- Sub Contracted-EPA 1625M NDMA

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-24

Enclosure

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 7I15015

Project: SP 1711160- (2-25173)

Attn: Cindy Aguirre

Client: FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Report Date: 10/24/2017

Received Date: 9/15/2017

Turnaround Time: Normal

Phones: (805) 392-2012

Fax: (805) 525-4172

P.O. #:

Billing Code:

Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/15/17 with the Chain-of-Custody document. The samples were received in good condition, at 2.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: MCWP-MW04S — Sampled: 09/13/17 8:00 by Matt P/Ryan S

7I15015-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr							
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	09/20/17 00:04	
Method: EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan							
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/04/17 04:12	
Method: EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan							
Triclosan	ND	1.2	2.0	ng/l	1	09/29/17 05:16	
Method: EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan							
Caffeine	**9.2**	0.31	1.0	ng/l	1	10/21/17 09:48	
DEET	**5.9**	0.060	1.0	ng/l	1	10/14/17 17:27	
Sucralose	**72**	5.0	5.0	ng/l	1	10/21/17 09:48	

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Sample Results

(Continued)

Sample: SMBRP-12 — Sampled: 09/13/17 11:40 by Matt P/Ryan S

7I15015-02 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr							
N-Nitrosodimethylamine	**1.9**	0.50	2.0	ng/l	1	09/20/17 00:32	J
Method: EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan							
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/04/17 04:52	
Method: EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan							
Triclosan	ND	1.2	2.0	ng/l	1	09/29/17 05:47	
Method: EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan							
Caffeine	**2.4**	0.31	1.0	ng/l	1	10/21/17 10:21	
DEET	**6.4**	0.060	1.0	ng/l	1	10/14/17 18:00	
Sucralose	**88**	5.0	5.0	ng/l	1	10/21/17 10:21	

Sample: MCWP-MW09 — Sampled: 09/13/17 13:20 by Matt P/Ryan S

7I15015-03 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr							
N-Nitrosodimethylamine	**0.85**	0.50	2.0	ng/l	1	09/20/17 01:00	J
Method: EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan							
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/04/17 01:50	
Method: EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan							
Triclosan	ND	1.2	2.0	ng/l	1	09/29/17 03:28	
Method: EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan							
Caffeine	**0.78**	0.31	1.0	ng/l	1	10/21/17 10:54	J
DEET	**1.1**	0.060	1.0	ng/l	1	10/14/17 18:33	
Sucralose	**11**	5.0	5.0	ng/l	1	10/21/17 10:54	

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Quality Control Results

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I0922-BLK1)					**Prepared: 09/18/17**	**Analyzed: 09/19/17**					
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l							
LCS (W7I0922-BS1)					**Prepared: 09/18/17**	**Analyzed: 09/19/17**					
N-Nitrosodimethylamine	2.86	0.50	2.0	ng/l	3.00		95	50-150			
LCS Dup (W7I0922-BSD1)					**Prepared: 09/18/17**	**Analyzed: 09/19/17**					
N-Nitrosodimethylamine	3.25	0.50	2.0	ng/l	3.00		108	50-150	13	50	

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1387-BLK1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	0.980	0.060	1.0	ng/l							J
Blank (W7I1387-BLK2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	0.325	0.31	1.0	ng/l							QC-2, J
Sucralose	ND	5.0	5.0	ng/l							QC-2
LCS (W7I1387-BS1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	11.9	0.060	1.0	ng/l	10.0		119	45-135			
LCS (W7I1387-BS2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	10.7	0.31	1.0	ng/l	10.0		107	55-152			QC-2
Sucralose	62.1	5.0	5.0	ng/l	50.0		124	50-150			QC-2
LCS Dup (W7I1387-BSD1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	13.5	0.060	1.0	ng/l	10.0		135	45-135	13	30	
LCS Dup (W7I1387-BSD2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	12.6	0.31	1.0	ng/l	10.0		126	55-152	16	30	QC-2
Sucralose	74.9	5.0	5.0	ng/l	50.0		150	50-150	19	30	QC-2

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Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1389-BLK1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	3.11	0.27	1.0	ng/l							B
Diclofenac	ND	0.26	1.0	ng/l							
Gemfibrozil	ND	0.080	1.0	ng/l							
Ibuprofen	ND	0.39	1.0	ng/l							
Iopromide	ND	1.8	5.0	ng/l							
Naproxen	ND	0.25	1.0	ng/l							
Salicylic Acid	21.1	0.86	50	ng/l							J
Triclosan	ND	1.2	2.0	ng/l							
LCS (W7I1389-BS1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	15.8	0.27	1.0	ng/l	10.0		158	53-168			
Diclofenac	24.6	0.26	1.0	ng/l	10.0		246	37-218			Q-08
Gemfibrozil	12.1	0.080	1.0	ng/l	10.0		121	76-122			
Ibuprofen	19.8	0.39	1.0	ng/l	10.0		198	67-139			Q-08
Iopromide	63.3	1.8	5.0	ng/l	50.0		127	0.1-163			
Naproxen	16.7	0.25	1.0	ng/l	10.0		167	64-138			Q-08
Salicylic Acid	124	0.86	50	ng/l	100		124	56-229			
Triclosan	12.1	1.2	2.0	ng/l	10.0		121	76-139			
LCS Dup (W7I1389-BSD1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	16.2	0.27	1.0	ng/l	10.0		162	53-168	3	30	
Diclofenac	22.3	0.26	1.0	ng/l	10.0		223	37-218	10	30	Q-08
Gemfibrozil	11.9	0.080	1.0	ng/l	10.0		119	76-122	2	30	
Ibuprofen	18.0	0.39	1.0	ng/l	10.0		180	67-139	10	30	Q-08
Iopromide	57.4	1.8	5.0	ng/l	50.0		115	0.1-163	10	30	
Naproxen	16.8	0.25	1.0	ng/l	10.0		168	64-138	0.6	30	Q-08
Salicylic Acid	125	0.86	50	ng/l	100		125	56-229	0.8	30	
Triclosan	11.9	1.2	2.0	ng/l	10.0		119	76-139	2	30	

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1388-BLK1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	ND	0.31	1.0	ng/l							
LCS (W7I1388-BS1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	11.9	0.31	1.0	ng/l	10.0		119	65-146			
LCS Dup (W7I1388-BSD1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	11.8	0.31	1.0	ng/l	10.0		118	65-146	0.8	30	

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Notes and Definitions

Item	Definition
B	Blank contamination. The analyte was found in the associated blank as well as in the sample.
J	Estimated conc. detected <MRL and >MDL.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

Reviewed by:

Regina Giancola
Project Manager

DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015 ● SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

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WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER:	7I15015	**Printed:**	9/18/2017 5:03:36PM
Client:	FGL Environmental	**Project Manager:**	Regina Giancola
Project:	FGL Environmental	**Project Number:**	SP 1711160- (2-25173)

Report To:
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

Invoice To:
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

Date Due:	09/29/17 09:00 (10 day TAT)		
Received By:	Lester K. Abad	**Date Received:**	09/15/17 08:10
Logged In By:	Lester K. Abad	**Date Logged In:**	09/15/17 10:01

Samples Received at:	**2.4°C**				
All containers intact:	**Yes**	Sample labels & COC agree	**Yes**	Sufficient holding time for all tests	**Yes**
Custody Seals	**No**	Samples preserved properly	**Yes**	Received on Ice	**Yes**
Chain of custody completed	**Yes**	Sample volume sufficient	**Yes**	Appropriate sample containers	**Yes**

Samples

Analysis	Expires	Analysis Comments
7I15015-01 Sample Name: MCWP-MW04S [Water] Sampled 9/13/2017 08:00		
NDMA	09/20/17 08:00	SEE COC
PPCP Hormones	10/11/17 08:00	SEE COC
PPCP Pharma-Negative	10/11/17 08:00	SEE COC
PPCP Pharma-Positive	10/11/17 08:00	SEE COC
7I15015-02 Sample Name: SMBRP-12 [Water] Sampled 9/13/2017 11:40		
NDMA	09/20/17 11:40	SEE COC
PPCP Hormones	10/11/17 11:40	SEE COC
PPCP Pharma-Negative	10/11/17 11:40	SEE COC
PPCP Pharma-Positive	10/11/17 11:40	SEE COC
7I15015-03 Sample Name: MCWP-MW09 [Water] Sampled 9/13/2017 13:20		
NDMA	09/20/17 13:20	SEE COC
PPCP Hormones	10/11/17 13:20	SEE COC
PPCP Pharma-Negative	10/11/17 13:20	SEE COC
PPCP Pharma-Positive	10/11/17 13:20	SEE COC

Regina Giancola — 9/18/2017

Authorized Signature — Date

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Subcontract to
Weck Laboratories, Inc.

FI15015

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711160 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P/Ryan S

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other:(O) Special(SPL)	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** 8oz(P)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 8oz(P)	Map Ref.
2	MCWP-MW04S	09/13/17	08:00	G	MW				1	1	
4	SMBRP-12	09/13/17	11:40	G	MW				1	1	
7	MCWP-MW09	09/13/17	13:20	G	MW				1	1	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/14/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO				9-15-17	8:10			

2.4C

September 21, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

SP 1711220:6, 9, 11 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

System Number :
Project Name : Malibu WWTP - Baseline GWM

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	SP 1711220-006	MCWP-07D	Source-Other	Matt P./Ryan S.	Not Available	09/14/2017 08:55	09/14/2017 15:36 lmm	09/18/2017 lmm
2	SP 1711220-009	LAMW-5S	Source-Other	Matt P./Ryan S.	Not Available	09/14/2017 12:25	09/14/2017 15:38 lmm	09/17/2017 lmm
3	SP 1711220-011	MCWP-MW10	Source-Other	Matt P./Ryan S.	Not Available	09/14/2017 11:20	09/14/2017 15:40 lmm	09/17/2017 lmm

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	E. Coli	Person Notified ‡	Date ‡ Notified	Time ‡ Notified	Foot Note
1	MCWP-07D	---	---	SM 9221B	MPN/100ml	13 PRESENT	<1.8 ABSENT	---	N/R			
2	LAMW-5S	---	---	SM 9221B	MPN/100ml	>1600 PRESENT	170 PRESENT	---	N/R			
3	MCWP-MW10	---	---	SM 9221B	MPN/100ml	17 PRESENT	<1.8 ABSENT	---	N/R			

N/R Not Required. MPN Most Probable Number A/P Absence/Presence ‡ Client Notification details.

Analyses were performed using Standard Methods 21st edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey** Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-09-21

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October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1711220
Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 66 pages divided into 3 sections:

Case Narrative	(7 pages)	: An overview of the work performed at FGL.
Sample Results	(20 pages)	: Results for each sample submitted.
Quality Control	(39 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	09/14/2017	09/14/2017	SP 1711220-000	LBW
MCWP-07D	09/14/2017	09/14/2017	SP 1711220-006	MW
MCWP-MW09	09/14/2017	09/14/2017	SP 1711220-007	MW
LAMW-5S	09/14/2017	09/14/2017	SP 1711220-009	MW
MCWP-MW10	09/14/2017	09/14/2017	SP 1711220-011	MW
MCWP-MW06	09/14/2017	09/14/2017	SP 1711220-016	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding except those as listed in the table below.

Lab ID	Analyte/Method	Required Holding Time	Actual Holding Time
SP 1711220-006	Chlorine, Total	15	36184.8 Minutes
SP 1711220-006	Odor	24	44.08 Hours

All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	09/15/2017:213964 All analysis quality controls are within established criteria.
	09/17/2017:213973 All analysis quality controls are within established criteria.

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October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Metals QC

200.7	09/15/2017:211114 All preparation quality controls are within established criteria.
200.8	09/19/2017:214164 All analysis quality controls are within established criteria, except: The following note applies to Beryllium: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/20/2017:214239 All analysis quality controls are within established criteria.
245.1	09/29/2017:214696 All analysis quality controls are within established criteria.
	09/29/2017:211748 All preparation quality controls are within established criteria.
3010	09/18/2017:211156 All preparation quality controls are within established criteria, except: The following note applies to Aluminum: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Organic QC

504	09/20/2017:211319 All preparation quality controls are within established criteria, except: The following note applies to 1,3-Dibromopropane: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
504.1	09/22/2017:214159 All analysis quality controls are within established criteria.
505	09/21/2017:214160 All analysis quality controls are within established criteria, except: The following note applies to Tetrachloro-m-xylene: 362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.
	09/20/2017:211318 All preparation quality controls are within established criteria.
507	09/29/2017:214644 All analysis quality controls are within established criteria.
	09/26/2017:211540 All preparation quality controls are within established criteria.
515.3	09/25/2017:214317 All analysis quality controls are within established criteria.
	09/21/2017:211389 All preparation quality controls are within established criteria, except: The following note applies to 2,4,5-TP (Silvex): 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Organic QC

524.2	09/21/2017:214473 All analysis quality controls are within established criteria, except: The following note applies to 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,3-Dichloropropane, 1,4-Dichlorobenzene, Bromomethane (Methyl Bromide: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/21/2017:211560 All preparation quality controls are within established criteria, except: The following note applies to Trichlorotrifluoroethane F-113: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane(TCA), 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, Trichlorotriflu: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
531.1	09/15/2017:212156 All analysis quality controls are within established criteria.
	09/14/2017:211066 All preparation quality controls are within established criteria.
5310C	09/20/2017:214222 All analysis quality controls are within established criteria.
	09/20/2017:211306 All preparation quality controls are within established criteria.
548.1	09/22/2017:214244 All analysis quality controls are within established criteria.
	09/19/2017:211274 All preparation quality controls are within established criteria.
549	09/19/2017:211268 All preparation quality controls are within established criteria, except: The following note applies to Diquat Dibromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
549.2	09/26/2017:214477 All analysis quality controls are within established criteria.
552	09/22/2017:211426 All preparation quality controls are within established criteria.
552.2	09/23/2017:214323 All analysis quality controls are within established criteria, except: The following note applies to 2,3-Dibromopropionic Acid: 362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.
608/8081	09/22/2017:214242 All analysis quality controls are within established criteria.
	09/18/2017:211160 All preparation quality controls are within established criteria, except: The following note applies to Tetrachloro-m-xylene: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

Organic QC

624	09/14/2017:214550 All analysis quality controls are within established criteria, except: The following note applies to Acrylonitrile: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/14/2017:211554 All preparation quality controls are within established criteria, except: The following note applies to 2-Chloroethylvinyl ether, Acrylonitrile, Chloroform, Freon-11, Chloroethane (Ethyl Chloride): 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to 2-Chloroethylvinyl ether: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
625	09/27/2017:214621 All analysis quality controls are within established criteria, except: The following note applies to 4-Nitrophenol, Dibenzo(a,h)anthracene, 3,3-Dichlorobenzidine, Indeno(1,2,3-c,d)pyrene, Pyridine: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/21/2017:211355 All preparation quality controls are within established criteria.
625P	09/22/2017:214486 All analysis quality controls are within established criteria.
	09/20/2017:211298 All preparation quality controls are within established criteria, except: The following note applies to Beta BHC, Tetrachloro-m-xylene: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to Alpha BHC, alpha-Chlordane, Aldrin, Beta BHC, cis_Nonachlor, Delta BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfa: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

Radio QC

900.0	10/13/2017:215586 All analysis quality controls are within established criteria.
	10/11/2017:212249 All preparation quality controls are within established criteria.
903.0	09/28/2017:214650 All analysis quality controls are within established criteria.
	09/24/2017:211451 All preparation quality controls are within established criteria.
906.0	09/17/2017:213990 All analysis quality controls are within established criteria.
	09/16/2017:211140 All preparation quality controls are within established criteria.
908.0	09/29/2017:214757 All analysis quality controls are within established criteria.

Radio QC

908.0	09/25/2017:211488 All preparation quality controls are within established criteria.
Ra - 05	10/05/2017:215053 All analysis quality controls are within established criteria.
	10/01/2017:211578 All preparation quality controls are within established criteria.
SM7110C	10/03/2017:214934 All analysis quality controls are within established criteria.
	09/28/2017:211691 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

1664A	09/21/2017:211359 All preparation quality controls are within established criteria.
2120B	09/16/2017:213960 All analysis quality controls are within established criteria.
	09/16/2017:211145 All preparation quality controls are within established criteria.
2130B	09/16/2017:213950 All analysis quality controls are within established criteria.
	09/16/2017:211139 All preparation quality controls are within established criteria.
2150B	09/16/2017:211117 All preparation quality controls are within established criteria.
218.6	09/18/2017:214067 All analysis quality controls are within established criteria.
	09/18/2017:211232 All preparation quality controls are within established criteria.
2320B	09/15/2017:213953 All analysis quality controls are within established criteria.
	09/15/2017:211084 All preparation quality controls are within established criteria, except: The following note applies to Alkalinity (as CaCO3), Bicarbonate: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
2510B	09/15/2017:213887 All analysis quality controls are within established criteria.
	09/15/2017:211087 All preparation quality controls are within established criteria.
2540CE	09/15/2017:211113 All preparation quality controls are within established criteria.
	09/18/2017:211119 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

2540D	09/21/2017:211390 All preparation quality controls are within established criteria.
300.0	09/15/2017:214205 All analysis quality controls are within established criteria.
	09/14/2017:211314 All preparation quality controls are within established criteria.
314.0	09/29/2017:214809 All analysis quality controls are within established criteria.
	09/29/2017:212052 All preparation quality controls are within established criteria.
351.2	09/28/2017:211649 All preparation quality controls are within established criteria.
4500ClG	10/09/2017:215175 All analysis quality controls are within established criteria.
	10/09/2017:212128 All preparation quality controls are within established criteria.
4500CNCE	09/21/2017:214193 All analysis quality controls are within established criteria.
	09/20/2017:211253 All preparation quality controls are within established criteria.
4500NH3G	09/15/2017:213889 All analysis quality controls are within established criteria.
	09/15/2017:211082 All preparation quality controls are within established criteria, except: The following note applies to Ammonia Nitrogen: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
4500NO2F	09/15/2017:211124 All preparation quality controls are within established criteria.
4500NO3F	09/15/2017:213927 All analysis quality controls are within established criteria.
	09/15/2017:213928 All analysis quality controls are within established criteria.
	09/15/2017:211123 All preparation quality controls are within established criteria.
4500-P B	09/25/2017:211523 All preparation quality controls are within established criteria.
4500PE	09/25/2017:214428 All analysis quality controls are within established criteria.
5210B	09/20/2017:214314 All analysis quality controls are within established criteria.
	09/15/2017:211094 All preparation quality controls are within established criteria, except: The following note applies to BOD: 440 Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Wet Chemistry QC

5540C	09/15/2017:214073 All analysis quality controls are within established criteria.
	09/15/2017:211244 All preparation quality controls are within established criteria.
EPA351.2	09/29/2017:214676 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2017-10-17

October 17, 2017

Lab ID : SP 1711220-000
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 14, 2017-09:20
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Lab. Blank Water

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 504.1												
1,3-Dibromopropane‡	103	70-130		%	1.0015		504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-02:21SBL
DBCP	ND	0.01	0.0057	ug/L	1.0015	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-02:21SBL
EDB	ND	0.02	0.0027	ug/L	1.0015	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-02:21SBL

DQF Flags Definition:
U Constituent results were non-detect.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

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October 17, 2017

Lab ID : SP 1711220-006
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 14, 2017-08:55
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
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												
Total Hardness as CaCO3	1040	2.5	0.0065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Calcium	202	1	0.0065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Magnesium	131	1	0.0037	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Potassium	3.56	1	0.065	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Sodium	251	1	0.27	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Total Cations	31.9	0.1	0.0065	meq/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Boron	0.465	0.05	0.0050	mg/L	1		200.7	211114	09/15/17 13:21	200.7	213973-IT203	09/17/17-12:06AC
Copper	2.23	10	1.2	ug/L	1	J	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Iron	68.4	50	5.0	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Manganese	440	10	0.099	ug/L	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Zinc	5.08	20	1.0	ug/L	1	J	200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
SAR	3.38	0.1	0.0065	--	1		200.7	211114	09/15/17 13:21	200.7	213964-IT203	09/15/17-18:39AC
Total Alkalinity (as CaCO3)	498	10	1.1	mg/L	1	I	2320B	211084	09/15/17 03:00	2320B	213953-MT201	09/15/17-11:20AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211084	09/15/17 03:00	2320B	213953-MT201	09/15/17-11:20AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211084	09/15/17 03:00	2320B	213953-MT201	09/15/17-11:20AMB
Bicarbonate as HCO3	608	10	1.1	mg/L	1.000	I	2320B	211084	09/15/17 03:00	2320B	213953-MT201	09/15/17-11:20AMB
Sulfate	600	6	0.015	mg/L	6	b	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-06:08MCA
Chloride	262	6	0.0045	mg/L	6		300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-06:08MCA
Nitrate as NO3	0.0690	0.4	0.0032	mg/L	1	J	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-02:14MCA
Nitrite as N	ND	0.1	0.0010	mg/L	1	U	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-02:14MCA

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Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral												
Nitrate + Nitrite as N	0.0200	0.1	0.0032	mg/L	1	J	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-02:14MCA
Fluoride	0.400	0.1	0.0021	mg/L	1		300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-02:14MCA
Total Anions	29.9	0.1	0.010	meq/L	1.000	IbJ	2320B	211084	09/15/17 03:00	2320B	213953-MT201	09/15/17-11:20AMB
pH	7.25	--	0.010	units	1		4500-H B	211258	09/14/17 08:55	4500HB	214086-CL000	09/14/17-08:55MP/RS
Specific Conductance	2630	1	0.16	umhos/cm	1	b	2510B	211087	09/15/17 07:24	2510B	213887-EC205	09/15/17-11:24JMG
Total Dissolved Solids	1860	40	5.8	mg/L	1	b	2540CE	211113	09/15/17 15:48	2540C	213966-WT219	09/18/17-05:43AMB
MBAS (foaming agents)	Negative	0.1		mg/L	1	U	5540C	211244	09/15/17 11:00	5540C	214073-JMG	09/15/17-11:15jmg
Aggressiveness Index	12.7	1	0.010	--	1		4500-H B	211258	09/14/17 08:55	4500HB	214086-CL000	09/14/17-08:55MP/RS
Langelier Index (20°C)	0.7	1	0.010	--	1	bI	4500-H B	211258	09/14/17 08:55	4500HB	214086-CL000	09/14/17-08:55MP/RS
Nitrate Nitrogen	0.0200	0.1	0.00080	mg/L	1	J	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-02:14MCA
Metals, Total												
Aluminum	0.0260	0.01	0.000050	mg/L	1	l	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Antimony	0.000273	0.001	0.000044	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Arsenic	0.00207	0.002	0.000047	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-18:30AC
Barium	0.0605	0.0002	0.000026	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Cadmium	0.000288	0.0002	0.000031	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Chromium	0.000618	0.001	0.000066	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Copper	0.00443	0.001	0.000071	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Lead	0.0120	0.0002	0.000013	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Mercury	0.00000581	0.00001	.0000021	mg/L	1	J	245.1	211748	09/29/17 07:00	245.1	214696-HG204	09/29/17-13:35AC
Nickel	0.00854	0.001	0.000040	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-18:30AC
Selenium	0.00506	0.002	0.00017	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-18:30AC
Silver	0.0000430	0.00025	0.000022	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Chromium III	0.000395	0.001	0.000066	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-16:52AC
Wet Chemistry												
BOD	0.8	2	0.19	mg/L	1	JI	5210B	211094	09/15/17 11:11	5210B	214314-O2205	09/20/17-10:16kmm
Chlorine, Total	ND	0.1	0.017	mg/L	1	UT	4500ClG	212128	10/09/17 12:00	4500ClG	215175-UV205	10/09/17-12:57AMM
Chromium VI	0.223	0.1	0.012	ug/L	1		218.6	211232	09/18/17 14:30	218.6	214067-IC209	09/18/17-19:41JDD

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Color	<5.00	5	0.0	units	1	U	2120B	211145	09/16/17 07:50	2120B	213960-JMG	09/16/17-08:00jmg
Cyanide, Total	ND	0.01	0.0010	mg/L	1	U	4500CNCE	211253	09/20/17 11:26	4500CNCE	214193-UV205	09/21/17-11:00AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	JhU	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-05:38AMB
Ammonia Nitrogen	0.168	0.2	0.072	mg/L	1	Jh	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-05:38AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	U	351.2	211649	09/28/17 08:19	EPA351.2	214676-FI206	09/29/17-09:18AMB
Nitrogen, Total as Nitrogen	ND	0.5	0.19	mg/L	1	UJ	351.2	211649	09/28/17 08:19	EPA351.2	214676-FI206	09/29/17-09:18AMB
Nitrate + Nitrite as N	0.0200	0.1	0.0032	mg/L	1	J	300.0	211314	09/14/17 17:50	300.0	214205-IC210	09/15/17-02:14MCA
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	U	351.2	211649	09/28/17 08:19	EPA351.2	214676-FI206	09/29/17-09:18AMB
Odor	ND	1	0.0	TON	1	UT	2150B	211117	09/16/17 05:00	2150B	213951-AMB	09/16/17-05:47AMB
Oil and Grease	ND	3.3	1.5	mg/L	1.0989	U	1664A	211359	09/21/17 10:10	1664A	214298-WT215	09/22/17-11:37CTL
Phosphorus, Total	0.181	0.1	0.020	mg/L	1		4500-P B	211523	09/25/17 15:30	4500PE	214428-UV205	09/25/17-17:12SJN
Solids, Total Suspended (TSS)	2.04	1.1	0.49	mg/L	1.0753		2540D	211390	09/21/17 17:00	2540D	214231-WT215	09/22/17-10:40jba
Turbidity	0.403	0.2	0.048	NTU	1		2130B	211139	09/16/17 05:00	2130B	213950-TR203	09/16/17-05:45AMB
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	212052	09/29/17 11:41	314.0	214809-IC207	09/29/17-20:01MCA

DQF Flags Definition:

b	The Blank was detected above method MDL for constituent but less than the PQL
h	The MS/MSD did not meet QC criteria.
l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.
I	Reported value is estimated due to RPD exceedance.
T	Exceeded method-specific holding time.

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-07D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-006
Customer ID : 2-25173

Sampled On : September 14, 2017-08:55
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 504.1												
1,3-Dibromopropane‡	130	70-130		%	0.99328		504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-02:46SBL
DBCP	ND	0.0099	0.0057	ug/L	0.99328	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-02:46SBL
EDB	ND	0.02	0.0027	ug/L	0.99328	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-02:46SBL
EPA 505												
Tetrachloro-m-xylene‡	88.8	70-130		%	1		505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Alachlor	ND	0.2	0.13	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Aldrin	ND	0.01	0.0040	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Chlordane	ND	0.1	0.041	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Dieldrin	ND	0.01	0.0024	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Endrin	ND	0.01	0.0054	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Heptachlor	ND	0.01	0.0026	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Heptachlor Epoxide	ND	0.01	0.0046	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Hexachlorobenzene	ND	0.01	0.0031	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Hexachlorocyclopentadiene	ND	0.1	0.027	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Methoxychlor	ND	0.1	0.0098	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
Toxaphene	ND	0.5	0.11	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
PCB 1016	ND	0.5	0.13	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
PCB 1221	ND	0.5	0.067	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
PCB 1232	ND	0.5	0.073	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL

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FAX: (559)734-8435
CA ELAP Certification No. 2810

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505												
PCB 1242	ND	0.5	0.14	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
PCB 1248	ND	0.5	0.15	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
PCB 1254	ND	0.5	0.026	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
PCB 1260	ND	0.5	0.12	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:02SBL
EPA 507												
Triphenylphosphate‡	29.4	70-130		%	0.93458	L	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Alachlor	ND	0.93	0.16	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Atrazine	ND	0.93	0.14	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Bromacil	ND	1.9	0.12	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Butachlor	ND	0.93	0.21	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Diazinon	ND	1.9	0.18	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Dimethoate	ND	1.9	0.089	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Metolachlor	ND	0.93	0.41	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Metribuzin	ND	0.47	0.24	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Molinate	ND	1.9	0.13	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Prometryne	ND	1.9	0.095	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Propachlor	ND	0.93	0.12	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Simazine	ND	0.93	0.16	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Thiobencarb	ND	0.93	0.15	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
Cyanazine	ND	0.93	0.11	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-02:37SG
EPA 515												
2,4-DCAA‡	100	70-130		%	1		515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	Ul	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 515												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:13SG
EPA 524.2												
4-Bromofluorobenzene‡	91.5	70-130		%	1		524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,2-Dichlorobenzene-d4‡	92.0	70-130		%	1		524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,3-Dichloropropene (Total)	ND	---	---	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Methyl tert-Butyl Ether (MTBE)	0.392	1	0.091	ug/L	1	J	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	Uh	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Xylenes (Total)	ND	---	---	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
Total Trihalomethanes	ND	---	---	ug/L	1	U	524.2	211560	09/21/17 08:00	524.2	214473-GM215	09/21/17-18:33VRG
EPA 531.1												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:59SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:59SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:59SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:59SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:59SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:59SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:59SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211066	09/14/17 16:10	531.1	212156-LC204	09/15/17-16:59SG
EPA 548.1												
Endothall	ND	40	16	ug/L	1	U	548.1	211274	09/19/17 15:28	548.1	214244-GC220	09/22/17-01:38SG
EPA 549												
Diquat	ND	2	0.12	ug/L	1	U	549	211268	09/19/17 14:11	549.2	214477-LC204	09/26/17-13:59SG
EPA 552.2												
2,3-Dibromopropionic Acid‡	95.9	70-130		%	1		552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-04:49SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-04:49SBL
Chloroacetic Acid	ND	2	0.28	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-04:49SBL
Dibromoacetic Acid	0.541	1	0.25	ug/L	1	J	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-04:49SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-04:49SBL
Trichloroacetic Acid	ND	1	0.39	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-04:49SBL
Haloacetic acids (five)	ND	---	---	ug/L	1	UJ	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-04:49SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 608												
Tetrachloro-m-xylene‡	56.1	15-143		%	0.93458		608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
Chlordane	ND	1.9	0.025	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
PCB 1221	ND	0.47	0.19	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
PCB 1248	ND	0.47	0.056	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:13SBL
EPA 624												
4-Bromofluorobenzene‡	108	70-161		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Fluorobenzene‡	99.7	72-139		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Pentafluorobenzene‡	110	59-151		%	1	f	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Ufh	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Chloroform	ND	0.5	0.045	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624												
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Ufl	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG
Xylenes	ND	---	---	ug/L	1	Uf	624	211554	09/14/17 08:00	624	214550-GM214	09/14/17-17:54VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
2-Fluorobiphenyl‡	54.0	29-98		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2-Fluorophenol‡	59.5	23-105		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Nitrobenzene-d5‡	55.6	23-104		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Phenol-d6‡	57.0	26-102		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
p-Terphenyl-d14‡	46.6	29-93		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2,4,6-Tribromophenol‡	58.0	34-116		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Acenaphthene	ND	0.93	0.50	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Acenaphthylene	ND	0.93	0.39	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Anthracene	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Benzidine	ND	9.3	1.8	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Benzo(a)anthracene	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Benzo(a)pyrene	ND	0.93	0.40	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Benzo(b)fluoranthene	ND	0.93	0.37	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Benzo(g,h,i)perylene	ND	0.93	0.40	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Benzo(k)fluoranthene	ND	0.93	0.50	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
bis(2-Chloroethoxy)methane	ND	0.93	0.56	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
bis(2-Chloroethyl)ether	ND	0.93	0.52	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
bis(2-Chloroisopropyl)ether	ND	0.93	0.53	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
bis(2-Ethylhexyl)phthalate	ND	1.9	0.41	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
4-Bromophenylphenylether	ND	0.93	0.46	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2-Chloronaphthalene	ND	0.93	0.63	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
4-Chlorophenylphenylether	ND	0.93	0.62	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Chrysene	ND	0.93	0.51	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Dibenzo(a,h)anthracene	ND	0.93	0.37	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
1,2-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
1,3-Dichlorobenzene	ND	0.93	0.45	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
1,4-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
3,3'-Dichlorobenzidine	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Diethylphthalate	ND	0.93	0.34	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Dimethylphthalate	ND	0.93	0.31	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Di-n-butylphthalate	ND	1.9	0.35	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
4,6-Dinitro-2-methylphenol	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2,4-Dinitrotoluene	ND	0.93	0.49	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2,6-Dinitrotoluene	ND	0.93	0.55	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Di-n-octylphthalate	ND	0.93	0.31	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
1,2-Diphenylhydrazine	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Fluoranthene	ND	0.93	0.44	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Fluorene	ND	0.93	0.62	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Hexachlorobenzene	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Hexachlorobutadiene	ND	0.93	0.45	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Hexachlorocyclopentadiene	ND	0.93	0.24	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Hexachloroethane	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Indeno(1,2,3-c,d)pyrene	ND	0.93	0.38	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Isophorone	ND	0.93	0.41	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Naphthalene	ND	0.93	0.55	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Nitrobenzene	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2-Nitrophenol	ND	1.9	1.1	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
N-Nitrosodi-n-propylamine	ND	0.93	0.53	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
N-Nitrosodiphenylamine	ND	0.93	0.74	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Phenanthrene	ND	0.93	0.018	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Phenol	ND	0.93	0.88	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
Pyrene	ND	0.93	0.46	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
Pyridine	ND	9.3	0.32	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
1,2,4-Trichlorobenzene	ND	0.93	0.48	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2,4,6-Trichlorophenol	ND	0.93	0.90	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-18:35SBL
EPA 625 Pest												
Aldrin	ND	4.7	0.91	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Beta BHC	ND	4.7	1.5	ng/L	0.93458	UL	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Delta BHC	ND	4.7	1.8	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Dieldrin	ND	4.7	1.5	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Endrin	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Endrin Ketone	ND	4.7	1.8	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Heptachlor	ND	4.7	1.8	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 625 Pest												
trans-Nonachlor	ND	47	1.2	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
Tetrachloro-m-xylene‡	77.9	26-90		%	0.93458		625P	211298	09/20/17 13:30	625P	214486-GM210	09/22/17-23:48SG
TOC												
TOC	1.75	0.5	0.15	mg/L	1		5310C	211306	09/20/17 10:39	5310C	214222-TC203	09/20/17-21:14AMM

DQF Flags Definition:

L	The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.
h	The MS/MSD did not meet QC criteria.
l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.
f	MS/MSD QC requirement met by BS/BSD due to limited sample volume.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-07D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-006
Customer ID : 2-25173

Sampled On : September 14, 2017-08:55
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Radio Chemistry											
Gross Alpha	8.26 ± 2.21	1.11	pCi/L	15		SM7110C	211691	09/28/17 17:40	SM7110C	214934-GP209	10/03/17-16:50RMM
Gross Beta	8.08 ± 2.66	3.41	pCi/L	50		900.0	212249	10/11/17 13:30	900.0	215586-GP220	10/13/17-23:55aat
Total Alpha Radium (226)	0.197 ± 0.167	0.363	pCi/L	3		903.0	211451	09/24/17 11:00	903.0	214650-GP215	09/28/17-12:15aat
Tritium	498 ± 272	434	pCi/L	20000		906.0	211140	09/16/17 05:47	906.0	213990-LS202	09/17/17-05:36elc
Uranium	13.1 ± 2.65	0.470	pCi/L	20		908.0	211488	09/25/17 11:02	908.0	214757-GP216	09/29/17-17:15aat
Ra 228	0.000 ± 0.691	0.506	pCi/L	2		Ra - 05	211578	10/01/17 14:00	Ra - 05	215053-GP218	10/05/17-20:30emv

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L

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Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW09
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-007
Customer ID : 2-25173

Sampled On : September 14, 2017-11:50
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

Sample Result - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Field Test												
pH (Field)	7.70			units	1				09/14/17 11:50	4500-H B		09/14/17 11:50

ND=Non-Detected. PQL=Practical Quantitation Limit.

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October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : LAMW-5S
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-009
Customer ID : 2-25173

Sampled On : September 14, 2017-12:25
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

Sample Result - Support

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Field Test												
pH (Field)	7.12			units	1				09/14/17 12:25	4500-H B		09/14/17 12:25

ND=Non-Detected. PQL=Practical Quantitation Limit.

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October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW10
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-011
Customer ID : 2-25173

Sampled On : September 14, 2017-11:20
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0800	0.1	0.032	mg/L	1	J	4500NO3F	211123	09/15/17 13:00	4500NO3F	213928-FI207	09/15/17-15:22JDD
Nitrite Nitrogen	0.0180	0.1	0.011	mg/L	1	J	4500NO2F	211124	09/15/17 13:00	4500NO3F	213927-FI207	09/15/17-15:19JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Uh	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-06:06AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	Uh	4500NH3G	211082	09/15/17 03:00	4500NH3G	213889-FI207	09/15/17-06:06AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	U	351.2	211649	09/28/17 08:19	EPA351.2	214676-FI206	09/29/17-09:19AMB
Phosphorus, Total	0.0843	0.1	0.020	mg/L	1	J	4500-P B	211523	09/25/17 15:30	4500PE	214428-UV205	09/25/17-17:13SJN
Total Dissolved Solids (TFR)	6720	51	5.8	mg/L	2.55	b	2540CE	211119	09/18/17 12:19	2540C	214054-WT219	09/19/17-05:15AMB

DQF Flags Definition:

b	The Blank was detected above method MDL for constituent but less than the PQL
h	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-MW06
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711220-016
Customer ID : 2-25173

Sampled On : September 14, 2017-10:40
Sampled By : Matt P./Ryan S.
Received On : September 14, 2017-15:05
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0800	0.1	0.032	mg/L	1	J	4500NO3F	211123	09/15/17 13:00	4500NO3F	213928-FI207	09/15/17-15:24JDD
Total Dissolved Solids (TFR)	1630	20	5.8	mg/L	1	b	2540CE	211119	09/18/17 12:19	2540C	214054-WT219	09/19/17-05:24AMB

DQF Flags Definition:

b The Blank was detected above method MDL for constituent but less than the PQL

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dibromoethane(EDB)	504	09/20/17:211319SBL	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2623	106 %	70-130	
			LCS	ug/L	0.2472	102 %	70-130	
			MS	ug/L	0.2527	107 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.2593	110 %	70-130	
			MSRPD	ug/L	0.6086	5.5%	≤30	
			QMDL	ug/L	0.02001	110 %	60-140	
1,3-Dibromopropane	504	09/20/17:211319SBL	Blank	ug/L	0.5987	101 %	70-130	
			LCS	ug/L	0.6157	129 %	70-130	
			LCS	ug/L	0.5803	112 %	70-130	
			MS	ug/L	0.5930	122 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.6086	133 %	70-130	435
			MSRPD	ug/L	0.6086	11.8%	≤30	
			QMDL	ug/L	0.5913	113 %	70-130	
DBCP	504	09/20/17:211319SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.2623	120 %	70-130	
			LCS	ug/L	0.2472	110 %	70-130	
			MS	ug/L	0.2527	73.1 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.2593	128 %	70-130	
			MSRPD	ug/L	0.6086	17.5%	≤30	
			QMDL	ug/L	0.02001	121 %	60-140	
13DBP	504.1	09/22/17:214159SBL	CCV	ug/L	9.975	126 %	70-130	
			CCV	ug/L	7.481	101 %	70-130	
DBCP	504.1	09/22/17:214159SBL	CCV	ug/L	5.000	117 %	70-130	
			CCV	ug/L	2.000	86.0 %	70-130	
EDB	504.1	09/22/17:214159SBL	CCV	ug/L	5.000	101 %	70-130	
			CCV	ug/L	2.000	81.0 %	70-130	
Alachlor	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.2	
			LCS	ug/L	5.865	123 %	84-135	
			BS	ug/L	5.834	108 %	73-137	
			BSD	ug/L	5.910	110 %	73-137	
			BSRPD	ug/L	1.183	2.9%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	150.0	104 %	70-130	
			CCV	ug/L	100.0	108 %	70-130	
Aldrin	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.075	
			LCS	ug/L	0.5865	98.7 %	69-134	
			BS	ug/L	0.5834	99.0 %	21-166	
			BSD	ug/L	0.5910	97.5 %	21-166	
			BSRPD	ug/L	1.183	0.2%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	100 %	70-130	
			CCV	ug/L	10.00	95.1 %	70-130	
Chlordane	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.1	
Dieldrin	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	95.6 %	82-131	
			BS	ug/L	0.5834	92.0 %	66-141	
			BSD	ug/L	0.5910	91.2 %	66-141	
			BSRPD	ug/L	1.183	0.4%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	93.3 %	70-130	
			CCV	ug/L	10.00	95.1 %	70-130	
Endrin	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	92.5 %	83-120	
			BS	ug/L	0.5834	84.5 %	58-134	
			BSD	ug/L	0.5910	84.1 %	58-134	
			BSRPD	ug/L	1.183	0.8%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	87.9 %	70-130	

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October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Endrin	505	09/21/17:214160SBL	CCV	ug/L	10.00	87.3 %	70-130	
Heptachlor	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	98.3 %	71-131	
			BS	ug/L	0.5834	97.9 %	73-135	
			BSD	ug/L	0.5910	96.6 %	73-135	
			BSRPD	ug/L	1.183	0.0%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	101 %	70-130	
			CCV	ug/L	10.00	93.6 %	70-130	
Heptachlor Epoxide	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	93.6 %	75-129	
			BS	ug/L	0.5834	89.7 %	65-134	
			BSD	ug/L	0.5910	89.5 %	65-134	
			BSRPD	ug/L	1.183	1.0%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	91.5 %	70-130	
			CCV	ug/L	10.00	93.3 %	70-130	
Hexachlorobenzene	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	97.3 %	69-134	
			BS	ug/L	0.5834	91.2 %	71-136	
			BSD	ug/L	0.5910	92.4 %	71-136	
			BSRPD	ug/L	1.183	2.5%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	99.2 %	70-130	
			CCV	ug/L	10.00	91.8 %	70-130	
Hexachlorocyclopentadiene	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.1	
			LCS	ug/L	0.5865	98.7 %	48-144	
			BS	ug/L	0.5834	91.9 %	60-152	
			BSD	ug/L	0.5910	95.9 %	60-152	
			BSRPD	ug/L	1.183	5.7%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	105 %	70-130	
			CCV	ug/L	10.00	93.1 %	70-130	
Lindane	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5865	126 %	76-131	
			BS	ug/L	0.5834	120 %	72-132	
			BSD	ug/L	0.5910	118 %	72-132	
			BSRPD	ug/L	1.183	0.3%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	123 %	70-130	
			CCV	ug/L	10.00	121 %	70-130	
Methoxychlor	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.933	95.3 %	73-137	
			BS	ug/L	2.917	88.6 %	59-145	
			BSD	ug/L	2.955	90.1 %	59-145	
			BSRPD	ug/L	1.183	2.9%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	75.00	88.0 %	70-130	
			CCV	ug/L	50.00	92.5 %	70-130	
PCB 1016/1242 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1242	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	505	09/20/17:211318SBL	Blank	ug/L	1.188	86.1 %	70-130	
			LCS	ug/L	1.174	103 %	70-130	
			BS	ug/L	1.168	101 %	N/A	
			BSD	ug/L	1.183	95.5 %	N/A	

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Tetrachloro-m-xylene	505	09/20/17:211318SBL	BSRPD	ug/L	1.183	4.5%	≤30.0	
	505	09/21/17:214160SBL	CCV	ug/L	20.02	158 %	70-130	362
			CCV	ug/L	10.01	187 %	70-130	362
Toxaphene	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
Alachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	91.8 %	70-130	
			BS	ug/L	2.500	98.4 %	47-147	
			BSD	ug/L	2.500	110 %	47-147	
			BSRPD	ug/L	12.50	0.29	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	90.4 %	80-120	
Atrazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	95.9 %	70-130	
			BS	ug/L	2.500	101 %	52-154	
			BSD	ug/L	2.500	94.5 %	52-154	
			BSRPD	ug/L	12.50	0.17	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	89.0 %	80-120	
Bromacil	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	99.5 %	70-130	
			BS	ug/L	2.500	113 %	38-170	
			BSD	ug/L	2.500	81.6 %	38-170	
			BSRPD	ug/L	12.50	0.79	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
Butachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<0.38	
			LCS	ug/L	2.500	84.2 %	70-130	
			BS	ug/L	2.500	96.3 %	37-150	
			BSD	ug/L	2.500	93.5 %	37-150	
			BSRPD	ug/L	12.50	2.9%	≤53.8	
	507	09/29/17:214644SG	CCV	ug/L	500.0	94.8 %	80-120	
Cyanazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	97.7 %	70-130	
			BS	ug/L	2.500	113 %	41-152	
			BSD	ug/L	2.500	90.5 %	41-152	
			BSRPD	ug/L	12.50	21.9%	≤30	
	507	09/29/17:214644SG	CCV	ug/L	500.0	114 %	80-120	
Diazinon	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	83.7 %	70-130	
			BS	ug/L	2.500	89.1 %	56-128	
			BSD	ug/L	2.500	94.0 %	56-128	
			BSRPD	ug/L	12.50	0.12	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	93.3 %	80-120	
Dimethoate	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	83.1 %	70-130	
			BS	ug/L	2.500	90.8 %	49-168	
			BSD	ug/L	2.500	81.0 %	49-168	
			BSRPD	ug/L	12.50	0.25	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
EPN/Triphenylphosphate	507	09/26/17:211540caa	Blank	ug/L	12.50	75.2 %	70-130	
			LCS	ug/L	12.50	73.0 %	70-130	
			BS	ug/L	12.50	92.2 %	70-130	
			BSD	ug/L	12.50	74.4 %	70-130	
			BSRPD	ug/L	12.50	21.3%	≤30	
Metolachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	94.7 %	70-130	
			BS	ug/L	2.500	101 %	45-154	

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Metolachlor	507	09/26/17:211540caa	BSD	ug/L	2.500	89.5 %	45-154	
			BSRPD	ug/L	12.50	0.28	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
Metribuzin	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	81.6 %	70-130	
			BS	ug/L	2.500	87.3 %	30-169	
			BSD	ug/L	2.500	85.3 %	30-169	
			BSRPD	ug/L	12.50	0.049	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	91.6 %	80-120	
Molinate	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	107 %	70-130	
			BS	ug/L	2.500	113 %	19-191	
			BSD	ug/L	2.500	108 %	19-191	
			BSRPD	ug/L	12.50	0.12	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	84.7 %	80-120	
Prometryne	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	91.4 %	70-130	
			BS	ug/L	2.500	99.8 %	44-152	
			BSD	ug/L	2.500	84.0 %	44-152	
			BSRPD	ug/L	12.50	0.39	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	95.2 %	80-120	
Propachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	95.2 %	70-130	
			BS	ug/L	2.500	96.5 %	36-179	
			BSD	ug/L	2.500	98.7 %	36-179	
			BSRPD	ug/L	12.50	0.056	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	88.8 %	80-120	
Simazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	99.7 %	70-130	
			BS	ug/L	2.500	105 %	49-167	
			BSD	ug/L	2.500	89.7 %	49-167	
			BSRPD	ug/L	12.50	0.38	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	100 %	80-120	
Thiobencarb	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	94.9 %	70-130	
			BS	ug/L	2.500	95.4 %	50-148	
			BSD	ug/L	2.500	81.9 %	50-148	
			BSRPD	ug/L	12.50	0.34	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	85.6 %	80-120	
Triphenylphosphate	507	09/29/17:214644SG	CCV	ug/L	2500	115 %	80-120	
2,4,5-T	515.3	09/25/17:214317SG	CCV	ug/L	40.00	87.9 %	70-130	
			CCV	ug/L	80.00	76.6 %	70-130	
2,4,5-TP (Silvex)	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	75.7 %	70-130	
			MS	ug/L	4.000	67.4 %	70-130	435
		(SP 1711160-002)	MSD	ug/L	4.000	74.8 %	70-130	
			MSRPD	ug/L	20.00	0.30	≤1	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	75.6 %	70-130	
			CCV	ug/L	80.00	73.8 %	70-130	
2,4,5-Trichlorophenoxyacetic A	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	96.6 %	70-130	
			MS	ug/L	4.000	78.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	86.6 %	70-130	
			MSRPD	ug/L	20.00	0.35	≤1	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,4-D	515.3	09/21/17:211389SG	Blank	ug/L		ND	<2	
			LCS	ug/L	8.000	120 %	70-130	
			MS	ug/L	8.000	81.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	88.7 %	70-130	
			MSRPD	ug/L	20.00	0.62	≤2	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	116 %	70-130	
			CCV	ug/L	160.0	73.9 %	70-130	
2,4-DCAA	515.3	09/21/17:211389SG	Blank	ug/L	20.00	87.7 %	70-130	
			LCS	ug/L	20.00	97.2 %	70-130	
			MS	ug/L	20.00	75.6 %	N/A	
		(SP 1711160-002)	MSD	ug/L	20.00	81.5 %	N/A	
			MSRPD	ug/L	20.00	7.6%	≤30.	
	515.3	09/25/17:214317SG	CCV	ug/L	200.0	86.8 %	70-130	
			CCV	ug/L	400.0	75.1 %	70-130	
Bentazon	515.3	09/21/17:211389SG	Blank	ug/L		ND	<2	
			LCS	ug/L	8.000	82.9 %	70-130	
			MS	ug/L	8.000	71.9 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	77.8 %	70-130	
			MSRPD	ug/L	20.00	0.47	≤2	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	87.0 %	70-130	
			CCV	ug/L	160.0	81.4 %	70-130	
Dalapon	515.3	09/21/17:211389SG	Blank	ug/L		ND	<10	
			LCS	ug/L	52.00	85.8 %	70-130	
			MS	ug/L	52.00	87.4 %	70-130	
		(SP 1711160-002)	MSD	ug/L	52.00	101 %	70-130	
			MSRPD	ug/L	20.00	7.0	≤10	
	515.3	09/25/17:214317SG	CCV	ug/L	520.0	98.4 %	70-130	
			CCV	ug/L	1040	90.9 %	70-130	
Dicamba	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	92.2 %	70-130	
			MS	ug/L	4.000	88.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	97.1 %	70-130	
			MSRPD	ug/L	20.00	0.36	≤1	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	80.0 %	70-130	
			CCV	ug/L	80.00	88.5 %	70-130	
Dinoseb	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	8.000	109 %	70-130	
			MS	ug/L	8.000	83.2 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	91.1 %	70-130	
			MSRPD	ug/L	20.00	9.1%	≤30.0	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	90.4 %	70-130	
			CCV	ug/L	160.0	80.8 %	70-130	
Pentachlorophenol	515.3	09/21/17:211389SG	Blank	ug/L		ND	<0.2	
			LCS	ug/L	4.000	82.9 %	70-130	
			MS	ug/L	4.000	71.5 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	78.7 %	70-130	
			MSRPD	ug/L	20.00	9.6%	≤30.0	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	81.2 %	70-130	
			CCV	ug/L	80.00	75.0 %	70-130	
Picloram	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	121 %	70-130	
			MS	ug/L	4.000	96.5 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	108 %	70-130	
			MSRPD	ug/L	20.00	0.47	≤1	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Picloram	515.3	09/25/17:214317SG	CCV	ug/L	40.00	112 %	70-130	
			CCV	ug/L	80.00	76.7 %	70-130	
1,1,1,2-Tetrachloroethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	139 %	12-178	
		(SP 1711220-006)	MSD	ug/L	10.00	60.6 %	12-178	
			MSRPD	ug/L	10.00	78.7%	≤39	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	120 %	70-130	
1,1,1-Trichloroethane(TCA)	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	150 %	9-176	
		(SP 1711220-006)	MSD	ug/L	10.00	63.1 %	9-176	
			MSRPD	ug/L	10.00	81.8%	≤33	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	120 %	70-130	
1,1,2,2-Tetrachloroethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	154 %	23-180	
		(SP 1711220-006)	MSD	ug/L	10.00	68.3 %	23-180	
			MSRPD	ug/L	10.00	77.2%	≤34	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	139 %	70-130	360
1,1,2-Trichloroethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	143 %	25-173	
		(SP 1711220-006)	MSD	ug/L	10.00	61.7 %	25-173	
			MSRPD	ug/L	10.00	79.6%	≤29	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	132 %	70-130	360
1,1-Dichloroethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	15-161	
		(SP 1711220-006)	MSD	ug/L	10.00	58.2 %	15-161	
			MSRPD	ug/L	10.00	79.0%	≤36	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	114 %	70-130	
1,1-Dichloroethylene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.4 %	0-162	
		(SP 1711220-006)	MSD	ug/L	10.00	40.0 %	0-162	
			MSRPD	ug/L	10.00	85.3%	≤33	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	78.7 %	70-130	
1,1-Dichloropropene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	0-171	
		(SP 1711220-006)	MSD	ug/L	10.00	51.3 %	0-171	
			MSRPD	ug/L	10.00	88.0%	≤31	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	101 %	70-130	
1,2,3-Trichlorobenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	140 %	14-181	
		(SP 1711220-006)	MSD	ug/L	10.00	55.1 %	14-181	
			MSRPD	ug/L	10.00	86.8%	≤34	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	113 %	70-130	
1,2,4-Trichlorobenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	10-180	
		(SP 1711220-006)	MSD	ug/L	10.00	47.3 %	10-180	
			MSRPD	ug/L	10.00	85.2%	≤32	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	98.1 %	70-130	
1,2,4-Trimethylbenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	152 %	2-192	
		(SP 1711220-006)	MSD	ug/L	10.00	54.6 %	2-192	
			MSRPD	ug/L	10.00	94.4%	≤39	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	126 %	70-130	
1,2-Dichlorobenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	146 %	13-191	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene	524.2	(SP 1711220-006)	MSD	ug/L	10.00	61.8 %	13-191	
			MSRPD	ug/L	10.00	80.9%	≤35	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	124 %	70-130	
1,2-Dichlorobenzene-d4	524.2	09/21/17:211560VRG	Blank	ug/L	10.00	92.5 %	70-130	
			MS	ug/L	10.00	112 %	70-130	
		(SP 1711220-006)	MSD	ug/L	10.00	105 %	70-130	
			MSRPD	ug/L	10.00	7.0%	≤20	
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	104 %	70-130	
1,2-Dichloroethane (EDC)	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	140 %	18-162	
		(SP 1711220-006)	MSD	ug/L	10.00	60.2 %	18-162	
			MSRPD	ug/L	10.00	80.0%	≤33	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	125 %	70-130	
1,2-Dichloropropane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	141 %	10-163	
		(SP 1711220-006)	MSD	ug/L	10.00	61.1 %	10-163	
			MSRPD	ug/L	10.00	78.9%	≤34	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	123 %	70-130	
1,3,5-Trimethylbenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	151 %	0-210	
		(SP 1711220-006)	MSD	ug/L	10.00	54.8 %	0-210	
			MSRPD	ug/L	10.00	93.5%	≤40	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	122 %	70-130	
1,3-Dichlorobenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	147 %	17-182	
		(SP 1711220-006)	MSD	ug/L	10.00	60.6 %	17-182	
			MSRPD	ug/L	10.00	83.1%	≤39	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	123 %	70-130	
1,3-Dichloropropane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	141 %	0-178	
		(SP 1711220-006)	MSD	ug/L	10.00	61.0 %	0-178	
			MSRPD	ug/L	10.00	79.1%	≤29	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	131 %	70-130	360
1,4-Dichlorobenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	155 %	19-183	
		(SP 1711220-006)	MSD	ug/L	10.00	64.1 %	19-183	
			MSRPD	ug/L	10.00	82.7%	≤37	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	133 %	70-130	360
2,2-Dichloropropane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	141 %	0-288	
		(SP 1711220-006)	MSD	ug/L	10.00	58.9 %	0-288	
			MSRPD	ug/L	10.00	82.2%	≤33	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	112 %	70-130	
2-Chlorotoluene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	152 %	17-180	
		(SP 1711220-006)	MSD	ug/L	10.00	59.0 %	17-180	
			MSRPD	ug/L	10.00	88.2%	≤38	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	124 %	70-130	
4-Bromofluorobenzene	524.2	09/21/17:211560VRG	Blank	ug/L	10.00	89.8 %	70-130	
			MS	ug/L	10.00	112 %	70-130	
		(SP 1711220-006)	MSD	ug/L	10.00	108 %	70-130	
			MSRPD	ug/L	10.00	3.8%	≤30	
4-Bromofluorobenzene (BFB)	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	108 %	70-130	
4-Chlorotoluene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
4-Chlorotoluene	524.2		MS	ug/L	10.00	156 %	11-177	
		(SP 1711220-006)	MSD	ug/L	10.00	59.9 %	11-177	
			MSRPD	ug/L	10.00	88.9%	≤41	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	129 %	70-130	
Benzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	12-158	
		(SP 1711220-006)	MSD	ug/L	10.00	57.6 %	12-158	
			MSRPD	ug/L	10.00	80.6%	≤36	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	113 %	70-130	
Bromobenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	138 %	23-177	
		(SP 1711220-006)	MSD	ug/L	10.00	56.9 %	23-177	
			MSRPD	ug/L	10.00	82.9%	≤40	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	119 %	70-130	
Bromochloromethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	4-186	
		(SP 1711220-006)	MSD	ug/L	10.00	57.1 %	4-186	
			MSRPD	ug/L	10.00	76.9%	≤30	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	119 %	70-130	
Bromodichloromethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	162 %	11-164	
		(SP 1711220-006)	MSD	ug/L	10.00	67.8 %	11-164	
			MSRPD	ug/L	10.00	81.8%	≤34	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	130 %	70-130	
Bromoform	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	146 %	0-235	
		(SP 1711220-006)	MSD	ug/L	10.00	66.1 %	0-235	
			MSRPD	ug/L	10.00	75.3%	≤39	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	105 %	70-130	
Bromomethane (Methyl Bromide)	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	50.6 %	0-196	
		(SP 1711220-006)	MSD	ug/L	40.00	56.1 %	0-196	
			MSRPD	ug/L	10.00	10.3%	≤40	
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	174 %	70-130	360
Carbon Tetrachloride	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	140 %	5-175	
		(SP 1711220-006)	MSD	ug/L	10.00	57.1 %	5-175	
			MSRPD	ug/L	10.00	84.2%	≤32	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	110 %	70-130	
Chlorobenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	14-175	
		(SP 1711220-006)	MSD	ug/L	10.00	56.8 %	14-175	
			MSRPD	ug/L	10.00	81.3%	≤35	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	114 %	70-130	
Chloroethane (Ethyl Chloride)	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	55.3 %	0-184	
		(SP 1711220-006)	MSD	ug/L	40.00	61.2 %	0-184	
			MSRPD	ug/L	10.00	10.1%	≤40	
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	193 %	70-130	360
Chloroform	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	151 %	15-163	
		(SP 1711220-006)	MSD	ug/L	10.00	66.9 %	15-163	
			MSRPD	ug/L	10.00	77.3%	≤36	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	130 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Chloromethane(Methyl Chloride)	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	43.2 %	0-224	
		(SP 1711220-006)	MSD	ug/L	40.00	46.5 %	0-224	
			MSRPD	ug/L	10.00	7.3%	≤39	
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	140 %	70-130	360
cis-1,2-Dichloroethylene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	16-172	
		(SP 1711220-006)	MSD	ug/L	10.00	56.7 %	16-172	
			MSRPD	ug/L	10.00	81.6%	≤34	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	111 %	70-130	
cis-1,3-Dichloropropene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.550	138 %	5-158	
		(SP 1711220-006)	MSD	ug/L	9.550	54.5 %	5-158	
			MSRPD	ug/L	10.00	86.6%	≤38	435
	524.2	09/21/17:214473VRG	CCV	ug/L	9.550	112 %	70-130	
Dibromochloromethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	136 %	1-180	
		(SP 1711220-006)	MSD	ug/L	10.00	61.3 %	1-180	
			MSRPD	ug/L	10.00	75.6%	≤34	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	105 %	70-130	
Dibromomethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	11-168	
		(SP 1711220-006)	MSD	ug/L	10.00	59.1 %	11-168	
			MSRPD	ug/L	10.00	77.7%	≤28	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	122 %	70-130	
Dichlorodifluoromethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	35.5 %	0-334	
		(SP 1711220-006)	MSD	ug/L	40.00	37.3 %	0-334	
			MSRPD	ug/L	10.00	5.0%	≤39	
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	102 %	70-130	
Dichloromethane	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	20-157	
		(SP 1711220-006)	MSD	ug/L	10.00	56.1 %	20-157	
			MSRPD	ug/L	10.00	78.4%	≤36	435
Ethyl tert-Butyl Ether	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	134 %	11-165	
		(SP 1711220-006)	MSD	ug/L	10.00	55.6 %	11-165	
			MSRPD	ug/L	10.00	7.8	≤3	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	116 %	70-130	
Ethylbenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	134 %	9-174	
		(SP 1711220-006)	MSD	ug/L	10.00	49.9 %	9-174	
			MSRPD	ug/L	10.00	91.2%	≤37	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	109 %	70-130	
Freon-11	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	45.8 %	0-232	
		(SP 1711220-006)	MSD	ug/L	40.00	49.5 %	0-232	
			MSRPD	ug/L	10.00	7.6%	≤35	
Hexachlorobutadiene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	144 %	14-200	
		(SP 1711220-006)	MSD	ug/L	10.00	58.5 %	14-200	
			MSRPD	ug/L	10.00	84.2%	≤40	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	106 %	70-130	
Isopropyl Ether	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<3	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Isopropyl Ether	524.2		MS	ug/L	10.00	152 %	8-165	
		(SP 1711220-006)	MSD	ug/L	10.00	65.3 %	8-165	
			MSRPD	ug/L	10.00	8.7	≤3	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	131 %	70-130	360
Isopropylbenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	4-159	
		(SP 1711220-006)	MSD	ug/L	10.00	47.5 %	4-159	
			MSRPD	ug/L	10.00	92.3%	≤37	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	102 %	70-130	
Methyl tert-Butyl Ether	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	102 %	70-130	
Methyl tert-Butyl Ether (MTBE)	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	115 %	11-168	
		(SP 1711220-006)	MSD	ug/L	10.00	47.6 %	11-168	
			MSRPD	ug/L	10.00	79.4%	≤29	435
Methylene Chloride	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	111 %	70-130	
Naphthalene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	0-189	
		(SP 1711220-006)	MSD	ug/L	10.00	46.1 %	0-189	
			MSRPD	ug/L	10.00	88.7%	≤32	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	101 %	70-130	
n-Butylbenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	154 %	4-186	
		(SP 1711220-006)	MSD	ug/L	10.00	54.6 %	4-186	
			MSRPD	ug/L	10.00	95.2%	≤37	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	119 %	70-130	
n-Propylbenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	149 %	0-174	
		(SP 1711220-006)	MSD	ug/L	10.00	54.8 %	0-174	
			MSRPD	ug/L	10.00	92.6%	≤37	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	118 %	70-130	
p-Isopropyltoluene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	149 %	0-193	
		(SP 1711220-006)	MSD	ug/L	10.00	51.3 %	0-193	
			MSRPD	ug/L	10.00	97.4%	≤40	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	116 %	70-130	
sec-Butylbenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	150 %	0-177	
		(SP 1711220-006)	MSD	ug/L	10.00	55.0 %	0-177	
			MSRPD	ug/L	10.00	92.6%	≤40	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	116 %	70-130	
Styrene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	147 %	0-198	
		(SP 1711220-006)	MSD	ug/L	10.00	54.1 %	0-198	
			MSRPD	ug/L	10.00	92.6%	≤37	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	125 %	70-130	
TAME	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	136 %	15-162	
		(SP 1711220-006)	MSD	ug/L	10.00	52.5 %	15-162	
			MSRPD	ug/L	10.00	8.3	≤3	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	118 %	70-130	
tert-Butylbenzene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	137 %	9-179	
		(SP 1711220-006)	MSD	ug/L	10.00	51.0 %	9-179	
			MSRPD	ug/L	10.00	91.8%	≤38	435

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
tert-Butylbenzene	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	107 %	30-130	
Tetrachloroethylene (PCE)	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	138 %	14-186	
		(SP 1711220-006)	MSD	ug/L	10.00	55.9 %	14-186	
			MSRPD	ug/L	10.00	84.8%	≤33	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	111 %	70-130	
Toluene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	3-174	
		(SP 1711220-006)	MSD	ug/L	10.00	55.6 %	3-174	
			MSRPD	ug/L	10.00	83.4%	≤37	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	113 %	30-130	
trans-1,2-Dichloroethylene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	5-165	
		(SP 1711220-006)	MSD	ug/L	10.00	49.7 %	5-165	
			MSRPD	ug/L	10.00	81.5%	≤40	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	95.3 %	70-130	
trans-1,3-Dichloropropene	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.200	141 %	0-169	
		(SP 1711220-006)	MSD	ug/L	9.200	58.2 %	0-169	
			MSRPD	ug/L	10.00	83.2%	≤31	435
	524.2	09/21/17:214473VRG	CCV	ug/L	9.200	121 %	70-130	
Trichloroethylene (TCE)	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	137 %	11-167	
		(SP 1711220-006)	MSD	ug/L	10.00	56.9 %	11-167	
			MSRPD	ug/L	10.00	82.4%	≤35	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	109 %	70-130	
Trichlorofluoromethane F-11	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	139 %	70-130	360
Trichlorotrifluoroethane F-113	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	5.000	228 %	0-183	435
		(SP 1711220-006)	MSD	ug/L	5.000	86.9 %	0-183	
			MSRPD	ug/L	10.00	89.6%	≤33	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	85.0 %	70-130	
Vinyl Chloride	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	53.3 %	0-208	
		(SP 1711220-006)	MSD	ug/L	40.00	57.4 %	0-208	
			MSRPD	ug/L	10.00	7.5%	≤40	
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	165 %	30-130	360
Xylenes m,p	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	20.00	148 %	0-193	
		(SP 1711220-006)	MSD	ug/L	20.00	54.9 %	0-193	
			MSRPD	ug/L	10.00	91.7%	≤37	435
	524.2	09/21/17:214473VRG	CCV	ug/L	20.00	122 %	70-130	
Xylenes o	524.2	09/21/17:211560VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	136 %	0-188	
		(SP 1711220-006)	MSD	ug/L	10.00	51.7 %	0-188	
			MSRPD	ug/L	10.00	89.9%	≤36	435
	524.2	09/21/17:214473VRG	CCV	ug/L	10.00	114 %	70-130	
3-Hydroxycarbofuran	531.1	09/14/17:211066SG	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	81.6 %	80-120	
			MS	ug/L	20.00	87.1 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	89.1 %	65-135	
			MSRPD	ug/L	20.00	2.3%	≤16.8	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	94.9 %	80-120	
			CCV	ug/L	20.00	99.0 %	80-120	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Aldicarb	531.1	09/14/17:211066SG	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	85.3 %	80-120	
			MS	ug/L	20.00	89.2 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	92.5 %	65-135	
			MSRPD	ug/L	20.00	3.7%	≤11.2	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	83.7 %	80-120	
			CCV	ug/L	20.00	102 %	80-120	
Aldicarb Sulfone	531.1	09/15/17:212156SG	CCV	ug/L	10.00	93.5 %	80-120	
			CCV	ug/L	20.00	90.6 %	80-120	
Aldicarb Sulfone/Sulfoxide	531.1	09/14/17:211066SG	Blank	ug/L		ND	<2	
			Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	92.0 %	80-120	
			LCS	ug/L	20.00	83.0 %	80-120	
			MS	ug/L	20.00	87.0 %	65-135	
			MS	ug/L	20.00	95.8 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	90.4 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	98.9 %	65-135	
			MSRPD	ug/L	20.00	3.2%	≤13.8	
			MSRPD	ug/L	20.00	3.8%	≤7.28	
Aldicarb Sulfoxide	531.1	09/15/17:212156SG	CCV	ug/L	10.00	99.1 %	80-120	
			CCV	ug/L	20.00	104 %	80-120	
Carbaryl	531.1	09/15/17:212156SG	CCV	ug/L	10.00	80.4 %	80-120	
			CCV	ug/L	20.00	107 %	80-120	
Carbaryl/Naphthol	531.1	09/14/17:211066SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	87.3 %	80-120	
			MS	ug/L	20.00	91.0 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	94.9 %	65-135	
			MSRPD	ug/L	20.00	0.78	≤5	
Carbofuran	531.1	09/14/17:211066SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	84.0 %	80-120	
			MS	ug/L	20.00	90.2 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	89.2 %	65-135	
			MSRPD	ug/L	20.00	0.19	≤5	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	81.1 %	80-120	
			CCV	ug/L	20.00	87.4 %	80-120	
Methomyl	531.1	09/14/17:211066SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	87.4 %	80-120	
			MS	ug/L	20.00	90.9 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	94.0 %	65-135	
			MSRPD	ug/L	20.00	3.4%	≤53.1	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	109 %	80-120	
			CCV	ug/L	20.00	101 %	80-120	
Oxamyl	531.1	09/14/17:211066SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	88.3 %	80-120	
			MS	ug/L	20.00	92.4 %	65-135	
		(CH 1777523-001)	MSD	ug/L	20.00	94.8 %	65-135	
			MSRPD	ug/L	20.00	0.48	≤5	
	531.1	09/15/17:212156SG	CCV	ug/L	10.00	90.7 %	80-120	
			CCV	ug/L	20.00	94.3 %	80-120	
TOC	5310C	09/20/17:211306AMM	Blank	mg/L		ND	<0.3	
			BS	mg/L	15.00	97.0 %	75-125	
			BSD	mg/L	15.00	90.5 %	75-125	
			BSRPD	mg/L	15.00	6.9%	≤23.0	
	5310C	09/20/17:214222AMM	CCV	ppm	15.00	104 %	67-122	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
TOC	5310C	09/20/17:214222AMM	CCV	ppm	15.00	107 %	67-122	
Endothall	548.1	09/19/17:211274SG	Blank	ug/L		ND	<40	
			LCS	ug/L	66.67	91.2 %	30-96	
			MS	ug/L	66.67	15.3 %	15-87	
		(STK1751650-001)	MSD	ug/L	66.67	30.5 %	15-87	
			MSRPD	ug/L	66.67	10	≤40	
	548.1	09/22/17:214244SG	CCV	ug/L	1000	85.8 %	70-130	
			CCV	ug/L	2500	107 %	70-130	
Diquat Dibromide	549	09/19/17:211268SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	39.2 %	34-114	
			MS	ug/L	20.00	35.6 %	0-86	
		(SP 1711393-001)	MSD	ug/L	20.00	57.2 %	0-86	
			MSRPD	ug/L	20.00	4.3	≤2	435
	549.2	09/26/17:214477SG	CCV	ug/L	1000	100 %	80-120	
			CCV	ug/L	500.0	116 %	80-120	
2,3-Dibromopropionic Acid	552	09/22/17:211426SBL	Blank	ug/L	5.000	81.6 %	70-130	
			LCS	ug/L	5.000	94.1 %	70-130	
			MS	ug/L	5.000	89.9 %	70-130	
		(SP 1711202-001)	MSD	ug/L	5.000	95.7 %	70-130	
			MSRPD	ug/L	5.000	0.29	≤1	
Dibromoacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	85.7 %	70-130	
			MS	ug/L	10.00	79.7 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	89.7 %	70-130	
			MSRPD	ug/L	5.000	10.8%	≤20.0	
Dichloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	87.3 %	70-130	
			MS	ug/L	10.00	84.2 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	93.7 %	70-130	
			MSRPD	ug/L	5.000	10.5%	≤20.0	
Monobromoacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	77.5 %	70-130	
			MS	ug/L	10.00	74.8 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	80.6 %	70-130	
			MSRPD	ug/L	5.000	7.1%	≤20.0	
Monochloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	76.4 %	70-130	
			MS	ug/L	10.00	77.2 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	82.8 %	70-130	
			MSRPD	ug/L	5.000	0.57	≤2	
Trichloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	80.0 %	70-130	
			MS	ug/L	10.00	75.6 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	84.8 %	70-130	
			MSRPD	ug/L	5.000	10.4%	≤20.0	
2,3-Dibromopropionic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	50.00	112 %	70-130	
			CCV	ug/L	75.00	135 %	70-130	362
Dibromoacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	112 %	70-130	
			CCV	ug/L	150.0	122 %	70-130	
Dichloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	114 %	70-130	
			CCV	ug/L	150.0	119 %	70-130	
Monobromoacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	107 %	70-130	
			CCV	ug/L	150.0	107 %	70-130	
Monochloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	109 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Monochloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	150.0	107 %	70-130	
Trichloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	106 %	70-130	
			CCV	ug/L	150.0	109 %	70-130	
Chlordane	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.1	
PCB 1016 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1242 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	608/8081	09/18/17:211160caa	Blank	ug/L	0.5005	47.8 %	15-143	
			LCS	ug/L	0.5005	38.0 %	15-143	
			BS	ug/L	0.5005	57.7 %	26-141	
			BSD	ug/L	0.5005	28.1 %	26-141	
			BSRPD	ug/L	0.5005	0.15	≤0.05	410
	608/8081	09/22/17:214242SBL	CCV	ug/L	50.05	87.9 %	85-115	
			CCV	ug/L	100.1	89.3 %	85-115	
Toxaphene	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
1,1,1-Trichloroethane(TCA)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	110 %	66-191	
		(CH 1777935-001)	MSD	ug/L	10.00	118 %	66-191	
			MSRPD	ug/L	10.00	7.2%	≤21	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	86.1 %	75-125	
1,1,2,2-Tetrachloroethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	30-180	
		(CH 1777935-001)	MSD	ug/L	10.00	118 %	30-180	
			MSRPD	ug/L	10.00	1.7%	≤19	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	113 %	60-140	
1,1,2-Trichloroethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	104 %	50-146	
		(CH 1777935-001)	MSD	ug/L	10.00	110 %	50-146	
			MSRPD	ug/L	10.00	5.6%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	99.7 %	71-129	
1,1-Dichloroethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	99.6 %	63-159	
		(CH 1777935-001)	MSD	ug/L	10.00	100 %	63-159	
			MSRPD	ug/L	10.00	0.9%	≤22	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	86.9 %	72-128	
1,1-Dichloroethylene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	67.4 %	0-279	
		(CH 1777935-001)	MSD	ug/L	10.00	66.2 %	0-279	
			MSRPD	ug/L	10.00	1.7%	≤36	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	56.0 %	51-150	
1,2-Dichlorobenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	57-153	
		(CH 1777935-001)	MSD	ug/L	10.00	135 %	57-153	
			MSRPD	ug/L	10.00	3.3%	≤26	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	122 %	63-137	
1,2-Dichloroethane (EDC)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	56-158	
		(CH 1777935-001)	MSD	ug/L	10.00	122 %	56-158	
			MSRPD	ug/L	10.00	3.8%	≤24	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	114 %	68-132	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichloropropane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	55-152	
		(CH 1777935-001)	MSD	ug/L	10.00	117 %	55-152	
			MSRPD	ug/L	10.00	4.2%	≤23	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	105 %	34-166	
1,3-Dichlorobenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	136 %	53-159	
		(CH 1777935-001)	MSD	ug/L	10.00	140 %	53-159	
			MSRPD	ug/L	10.00	2.8%	≤28	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	127 %	73-127	
1,4-Dichlorobenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	138 %	53-161	
		(CH 1777935-001)	MSD	ug/L	10.00	143 %	53-161	
			MSRPD	ug/L	10.00	3.7%	≤27	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	128 %	63-137	
2-Butanone (MEK)	624	09/14/17:211554VRG	Blank	ug/L		ND	<40	
			MS	ug/L	100.0	90.4 %	0-211	
		(CH 1777935-001)	MSD	ug/L	100.0	99.7 %	0-211	
			MSRPD	ug/L	10.00	9.4	≤40	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	93.0 %	20-230	
2-Chloroethylvinyl ether	624	09/14/17:211554VRG	Blank	ug/L		ND	<1	
			MS	ug/L	100.0	63.4 %	0-11	435
		(CH 1777935-001)	MSD	ug/L	100.0	67.7 %	0-11	435
			MSRPD	ug/L	10.00	6.5%	≤3	435
	624	09/14/17:214550VRG	CCV	ug/L	80.00	73.9 %	10-224	
2-Hexanone	624	09/14/17:211554VRG	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	88.0 %	0-190	
		(CH 1777935-001)	MSD	ug/L	100.0	94.7 %	0-190	
			MSRPD	ug/L	10.00	6.7	≤30	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	101 %	20-283	
4-Bromofluorobenzene	624	09/14/17:211554VRG	Blank	ug/L	10.00	102 %	70-161	
			MS	ug/L	10.00	105 %	58-151	
		(CH 1777935-001)	MSD	ug/L	10.00	104 %	58-151	
			MSRPD	ug/L	10.00	0.7%	≤14	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	106 %	70-130	
4-Methyl-2-pentanone (MIBK)	624	09/14/17:211554VRG	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	93.3 %	0-194	
		(CH 1777935-001)	MSD	ug/L	100.0	94.5 %	0-194	
			MSRPD	ug/L	10.00	1.2	≤30	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	106 %	20-233	
Acetone	624	09/14/17:211554VRG	Blank	ug/L		ND	<25	
			MS	ug/L	100.0	103 %	0-270	
		(CH 1777935-001)	MSD	ug/L	100.0	111 %	0-270	
			MSRPD	ug/L	10.00	8.1	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	129 %	20-367	
Acrolein	624	09/14/17:211554VRG	Blank	ug/L		ND	<5	
			MS	ug/L	100.0	104 %	0-171	
		(CH 1777935-001)	MSD	ug/L	100.0	102 %	0-171	
			MSRPD	ug/L	10.00	1.5%	≤50	
	624	09/14/17:214550VRG	CCV	ug/L	100.0	105 %	20-209	
Acrylonitrile	624	09/14/17:211554VRG	Blank	ug/L		ND	<2	
			MS	ug/L	100.0	284 %	0-244	435
		(CH 1777935-001)	MSD	ug/L	100.0	304 %	0-244	435
			MSRPD	ug/L	10.00	6.6%	≤47	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Acrylonitrile	624	09/14/17:214550VRG	CCV	ug/L	100.0	309 %	20-278	360
Benzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	65-155	
		(CH 1777935-001)	MSD	ug/L	10.00	111 %	65-155	
			MSRPD	ug/L	10.00	7.1%	≤21	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	91.6 %	64-136	
Bromodichloromethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	62-150	
		(CH 1777935-001)	MSD	ug/L	10.00	115 %	62-150	
			MSRPD	ug/L	10.00	3.4%	≤22	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	108 %	65-135	
Bromoform	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	64-150	
		(CH 1777935-001)	MSD	ug/L	10.00	132 %	64-150	
			MSRPD	ug/L	10.00	6.7%	≤16	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	129 %	71-129	
Bromomethane (Methyl Bromide)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	49.8 %	48-196	
		(CH 1777935-001)	MSD	ug/L	40.00	52.0 %	48-196	
			MSRPD	ug/L	10.00	4.3%	≤24	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	169 %	14-186	
Carbon Disulfide	624	09/14/17:211554VRG	Blank	ug/L		ND	<5	
			MS	ug/L	100.0	97.2 %	0-230	
		(CH 1777935-001)	MSD	ug/L	100.0	102 %	0-230	
			MSRPD	ug/L	10.00	5.0%	≤72	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	71.1 %	20-242	
Carbon Tetrachloride	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	127 %	69-206	
		(CH 1777935-001)	MSD	ug/L	10.00	139 %	69-206	
			MSRPD	ug/L	10.00	9.5%	≤19	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	94.2 %	73-127	
Chlorobenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	69-152	
		(CH 1777935-001)	MSD	ug/L	10.00	131 %	69-152	
			MSRPD	ug/L	10.00	7.7%	≤24	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	112 %	66-134	
Chloroethane (Ethyl Chloride)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	36.8 %	53-214	435
		(CH 1777935-001)	MSD	ug/L	40.00	38.1 %	53-214	435
			MSRPD	ug/L	10.00	3.4%	≤32	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	115 %	38-162	
Chloroform	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	50.00	27.1 %	55-155	435
		(CH 1777935-001)	MSD	ug/L	50.00	22.0 %	55-155	435
			MSRPD	ug/L	10.00	4.1%	≤22	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	98.5 %	67-133	
Chloromethane(Methyl Chloride)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	40.4 %	33-202	
		(CH 1777935-001)	MSD	ug/L	40.00	43.3 %	33-202	
			MSRPD	ug/L	10.00	7.0%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	141 %	0-204	
cis-1,3-Dichloropropene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	116 %	59-142	
		(CH 1777935-001)	MSD	ug/L	10.00	122 %	59-142	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
cis-1,3-Dichloropropene	624	09/14/17:211554VRG	MSRPD	ug/L	10.00	4.6%	≤23	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	111 %	24-176	
Dibromochloromethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	53-151	
		(CH 1777935-001)	MSD	ug/L	10.00	116 %	53-151	
			MSRPD	ug/L	10.00	6.5%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	107 %	67-133	
Dichloromethane	624	09/14/17:211554VRG	Blank	ug/L		ND	<2	
			MS	ug/L	10.00	93.5 %	24-207	
		(CH 1777935-001)	MSD	ug/L	10.00	100 %	24-207	
			MSRPD	ug/L	10.00	0.67	≤2	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	85.2 %	60-139	
Ethylbenzene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	140 %	45-194	
		(CH 1777935-001)	MSD	ug/L	10.00	138 %	45-194	
			MSRPD	ug/L	10.00	1.2%	≤31	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	118 %	59-141	
Fluorobenzene	624	09/14/17:211554VRG	Blank	ug/L	10.00	100 %	72-139	
			MS	ug/L	10.00	101 %	90-121	
		(CH 1777935-001)	MSD	ug/L	10.00	101 %	90-121	
			MSRPD	ug/L	10.00	0.02%	≤3	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	100 %	70-130	
Freon-11	624	09/14/17:211554VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	40.00	40.7 %	57-259	435
		(CH 1777935-001)	MSD	ug/L	40.00	41.9 %	57-259	435
			MSRPD	ug/L	10.00	3.1%	≤27	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	112 %	48-152	
Methyl tert-Butyl Ether (MTBE)	624	09/14/17:211554VRG	Blank	ug/L		ND	<5	
			MS	ug/L	10.00	102 %	26-210	
		(CH 1777935-001)	MSD	ug/L	10.00	95.2 %	26-210	
			MSRPD	ug/L	10.00	0.64	≤5	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	90.3 %	63-178	
Pentafluorobenzene	624	09/14/17:211554VRG	Blank	ug/L	10.00	111 %	59-151	
			MS	ug/L	10.00	106 %	74-148	
		(CH 1777935-001)	MSD	ug/L	10.00	107 %	74-148	
			MSRPD	ug/L	10.00	1.5%	≤10	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	108 %	70-130	
Styrene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	6-195	
		(CH 1777935-001)	MSD	ug/L	10.00	132 %	6-195	
			MSRPD	ug/L	10.00	2.3%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	121 %	67-158	
Tetrachloroethylene (PCE)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	133 %	63-171	
		(CH 1777935-001)	MSD	ug/L	10.00	140 %	63-171	
			MSRPD	ug/L	10.00	4.5%	≤26	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	106 %	73-127	
Toluene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	112 %	65-160	
		(CH 1777935-001)	MSD	ug/L	10.00	119 %	65-160	
			MSRPD	ug/L	10.00	6.6%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	98.0 %	74-126	
trans-1,2-Dichloroethylene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	92.0 %	68-179	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
trans-1,2-Dichloroethylene	624	(CH 1777935-001)	MSD	ug/L	10.00	97.3 %	68-179	
			MSRPD	ug/L	10.00	5.6%	≤51	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	80.5 %	69-131	
trans-1,3-Dichloropropene	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	102 %	55-148	
		(CH 1777935-001)	MSD	ug/L	10.00	108 %	55-148	
			MSRPD	ug/L	10.00	5.6%	≤25	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	98.1 %	50-150	
Trichloroethylene (TCE)	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	113 %	54-178	
		(CH 1777935-001)	MSD	ug/L	10.00	118 %	54-178	
			MSRPD	ug/L	10.00	4.4%	≤22	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	95.8 %	66-134	
Vinyl Acetate	624	09/14/17:211554VRG	Blank	ug/L		ND	<10	
			MS	ug/L	100.0	86.6 %	0-331	
		(CH 1777935-001)	MSD	ug/L	100.0	91.8 %	0-331	
			MSRPD	ug/L	10.00	5.8%	≤44	
	624	09/14/17:214550VRG	CCV	ug/L	80.00	101 %	20-393	
Vinyl Chloride	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	45.0 %	32-217	
		(CH 1777935-001)	MSD	ug/L	40.00	48.8 %	32-217	
			MSRPD	ug/L	10.00	8.0%	≤26	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	141 %	4-196	
Xylenes m,p	624	09/14/17:211554VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	20.00	140 %	50-181	
		(CH 1777935-001)	MSD	ug/L	20.00	139 %	50-181	
			MSRPD	ug/L	10.00	0.9%	≤30	
	624	09/14/17:214550VRG	CCV	ug/L	20.00	118 %	45-170	
Xylenes o	624	09/14/17:211554VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	137 %	38-182	
		(CH 1777935-001)	MSD	ug/L	10.00	136 %	38-182	
			MSRPD	ug/L	10.00	0.6%	≤29	
	624	09/14/17:214550VRG	CCV	ug/L	10.00	121 %	63-163	
1,2,4-Trichlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	73.6 %	38-105	
			BS	ug/L	20.00	78.3 %	21-110	
			BSD	ug/L	20.00	85.1 %	21-110	
			BSRPD	ug/L	20.00	8.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	103 %	80-120	
1,2-Dichlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	78.2 %	48-97	
			BS	ug/L	20.00	83.7 %	16-115	
			BSD	ug/L	20.00	89.8 %	16-115	
			BSRPD	ug/L	20.00	7.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	108 %	80-120	
1,2-Diphenylhydrazine	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.4 %	61-111	
			BS	ug/L	20.00	87.5 %	39-121	
			BSD	ug/L	20.00	92.4 %	39-121	
			BSRPD	ug/L	20.00	5.4%	≤30	
1,3-Dichlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	74.4 %	39-94	
			BS	ug/L	20.00	80.4 %	11-111	
			BSD	ug/L	20.00	87.0 %	11-111	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,3-Dichlorobenzene	625	09/21/17:211355caa	BSRPD	ug/L	20.00	7.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
1,4-Dichlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	74.7 %	42-95	
			BS	ug/L	20.00	82.9 %	13-111	
			BSD	ug/L	20.00	90.0 %	13-111	
			BSRPD	ug/L	20.00	8.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
2,4,5-Trichlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	104 %	70-122	
			BS	ug/L	20.00	110 %	36-148	
			BSD	ug/L	20.00	116 %	36-148	
			BSRPD	ug/L	20.00	5.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	123 %	70-130	
2,4,6-Tribromophenol	625	09/21/17:211355caa	Blank	ug/L	20.00	55.5 %	34-116	
			LCS	ug/L	20.00	67.5 %	34-116	
			BS	ug/L	20.00	69.8 %	34-116	
			BSD	ug/L	20.00	72.3 %	34-116	
			BSRPD	ug/L	20.00	3.5%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	97.2 %	80-120	
2,4,6-Trichlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.3 %	65-115	
			BS	ug/L	20.00	91.0 %	38-136	
			BSD	ug/L	20.00	96.4 %	38-136	
			BSRPD	ug/L	20.00	5.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
2,4-Dichlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	85.4 %	68-117	
			BS	ug/L	20.00	90.9 %	37-131	
			BSD	ug/L	20.00	97.0 %	37-131	
			BSRPD	ug/L	20.00	6.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
2,4-Dimethylphenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	66.3 %	54-97	
			BS	ug/L	20.00	66.9 %	23-118	
			BSD	ug/L	20.00	74.7 %	23-118	
			BSRPD	ug/L	20.00	11.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	93.9 %	80-120	
2,4-Dinitrophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	76.2 %	37-112	
			BS	ug/L	20.00	86.5 %	15-146	
			BSD	ug/L	20.00	80.5 %	15-146	
			BSRPD	ug/L	20.00	1.2	≤5	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	96.9 %	80-120	
2,4-Dinitrotoluene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.4 %	71-114	
			BS	ug/L	20.00	97.5 %	49-135	
			BSD	ug/L	20.00	102 %	49-135	
			BSRPD	ug/L	20.00	4.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
2,6-Dinitrotoluene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.7 %	72-119	
			BS	ug/L	20.00	101 %	43-140	
			BSD	ug/L	20.00	108 %	43-140	

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,6-Dinitrotoluene	625	09/21/17:211355caa	BSRPD	ug/L	20.00	6.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	118 %	80-120	
2-Chlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	81.8 %	63-114	
			BS	ug/L	20.00	88.0 %	34-124	
			BSD	ug/L	20.00	92.3 %	34-124	
			BSRPD	ug/L	20.00	4.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	108 %	80-120	
2-Fluorobiphenyl	625	09/21/17:211355caa	Blank	ug/L	10.00	58.6 %	29-98	
			LCS	ug/L	10.00	57.7 %	29-98	
			BS	ug/L	10.00	58.8 %	29-98	
			BSD	ug/L	10.00	63.5 %	29-98	
			BSRPD	ug/L	20.00	7.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	10.00	100 %	80-120	
2-Fluorophenol	625	09/21/17:211355caa	Blank	ug/L	20.00	64.5 %	23-105	
			LCS	ug/L	20.00	59.7 %	23-105	
			BS	ug/L	20.00	67.5 %	23-105	
			BSD	ug/L	20.00	68.2 %	23-105	
			BSRPD	ug/L	20.00	1.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
2-Nitrophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	88.3 %	59-125	
			BS	ug/L	20.00	95.6 %	39-135	
			BSD	ug/L	20.00	96.6 %	39-135	
			BSRPD	ug/L	20.00	1.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	116 %	80-120	
3,3-Dichlorobenzidine	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	67.6 %	52-119	
			BS	ug/L	20.00	65.0 %	3-125	
			BSD	ug/L	20.00	63.6 %	3-125	
			BSRPD	ug/L	20.00	2.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	122 %	80-120	360
4,6-Dinitro-2-methylphenol	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	71.3 %	35-129	
			BS	ug/L	20.00	79.8 %	36-137	
			BSD	ug/L	20.00	75.8 %	36-137	
			BSRPD	ug/L	20.00	5.1%	≤30	
4,6-Dinitro-o-cresol	625	09/27/17:214621SBL	CCV	mg/L	20.00	89.6 %	80-120	
4-Bromophenylphenylether	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	82.0 %	66-111	
			BS	ug/L	20.00	84.1 %	41-123	
			BSD	ug/L	20.00	89.4 %	41-123	
			BSRPD	ug/L	20.00	6.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	100 %	80-120	
4-Nitrophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	114 %	57-144	
			BS	ug/L	20.00	119 %	11-199	
			BSD	ug/L	20.00	122 %	11-199	
			BSRPD	ug/L	20.00	1.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	128 %	80-120	360
Acenaphthene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	82.9 %	60-106	
			BS	ug/L	20.00	85.9 %	33-122	
			BSD	ug/L	20.00	92.9 %	33-122	

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Acenaphthene	625	09/21/17:211355caa	BSRPD	ug/L	20.00	7.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
Acenaphthylene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	87.3 %	63-109	
			BS	ug/L	20.00	90.2 %	34-126	
			BSD	ug/L	20.00	97.3 %	34-126	
			BSRPD	ug/L	20.00	7.5%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
Anthracene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	90.6 %	73-108	
			BS	ug/L	20.00	92.6 %	44-122	
			BSD	ug/L	20.00	97.4 %	44-122	
			BSRPD	ug/L	20.00	5.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
Azobenzene	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
Benzidine	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	2.3 %	0-59	
			BS	ug/L	20.00	2.4 %	0-115	
			BSD	ug/L	20.00	2.8 %	0-115	
			BSRPD	ug/L	20.00	0.075	≤2	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	124 %	70-130	
Benzo(a)anthracene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.8 %	80-106	
			BS	ug/L	20.00	97.5 %	42-123	
			BSD	ug/L	20.00	100 %	42-123	
			BSRPD	ug/L	20.00	2.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	111 %	80-120	
Benzo(a)pyrene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	92.5 %	77-105	
			BS	ug/L	20.00	94.3 %	41-121	
			BSD	ug/L	20.00	95.6 %	41-121	
			BSRPD	ug/L	20.00	1.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
Benzo(b)fluoranthene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	90.5 %	80-104	
			BS	ug/L	20.00	98.2 %	35-135	
			BSD	ug/L	20.00	104 %	35-135	
			BSRPD	ug/L	20.00	5.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	111 %	80-120	
Benzo(g,h,i)perylene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	92.6 %	49-128	
			BS	ug/L	20.00	96.9 %	38-118	
			BSD	ug/L	20.00	88.4 %	38-118	
			BSRPD	ug/L	20.00	9.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	113 %	80-120	
Benzo(k)fluoranthene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.1 %	71-113	
			BS	ug/L	20.00	96.5 %	40-124	
			BSD	ug/L	20.00	100 %	40-124	
			BSRPD	ug/L	20.00	3.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
bis(2-Chloroethoxy)methane	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.3 %	65-111	
			BS	ug/L	20.00	86.8 %	32-128	

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
bis(2-Chloroethoxy)methane	625	09/21/17:211355caa	BSD	ug/L	20.00	95.3 %	32-128	
			BSRPD	ug/L	20.00	9.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
bis(2-Chloroethyl)ether	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	85.0 %	68-110	
			BS	ug/L	20.00	90.3 %	0-201	
			BSD	ug/L	20.00	96.7 %	0-201	
			BSRPD	ug/L	20.00	6.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
bis(2-Chloroisopropyl)ether	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	74.0 %	48-105	
			BS	ug/L	20.00	77.7 %	27-116	
			BSD	ug/L	20.00	83.3 %	27-116	
			BSRPD	ug/L	20.00	7.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	96.0 %	80-120	
bis(2-Ethylhexyl)phthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	88.6 %	69-116	
			BS	ug/L	20.00	87.9 %	18-137	
			BSD	ug/L	20.00	95.9 %	18-137	
			BSRPD	ug/L	20.00	8.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	101 %	80-120	
Butylbenzylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	72.3 %	14-112	
			BS	ug/L	20.00	71.9 %	18-136	
			BSD	ug/L	20.00	78.1 %	18-136	
			BSRPD	ug/L	20.00	8.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	105 %	80-120	
Chloronaphthalene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	81.4 %	56-105	
			BS	ug/L	20.00	84.3 %	32-119	
			BSD	ug/L	20.00	91.5 %	32-119	
			BSRPD	ug/L	20.00	8.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
Chlorophenylphenylether	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	78.7 %	62-111	
			BS	ug/L	20.00	82.8 %	40-119	
			BSD	ug/L	20.00	88.9 %	40-119	
			BSRPD	ug/L	20.00	7.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	99.6 %	80-120	
Chrysene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.9 %	79-107	
			BS	ug/L	20.00	98.3 %	39-123	
			BSD	ug/L	20.00	101 %	39-123	
			BSRPD	ug/L	20.00	2.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
Dibenzo(a,h)anthracene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	103 %	63-133	
			BS	ug/L	20.00	110 %	34-138	
			BSD	ug/L	20.00	101 %	34-138	
			BSRPD	ug/L	20.00	8.5%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	123 %	80-120	360
Diethylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	45.6 %	0-87	
			BS	ug/L	20.00	53.5 %	0-147	

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Diethylphthalate	625	09/21/17:211355caa	BSD	ug/L	20.00	55.4 %	0-147	
			BSRPD	ug/L	20.00	3.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	105 %	80-120	
Dimethylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	42.5 %	0-56	
			BS	ug/L	20.00	50.9 %	0-137	
			BSD	ug/L	20.00	52.8 %	0-137	
			BSRPD	ug/L	20.00	3.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	104 %	80-120	
Di-n-butylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	75.9 %	20-120	
			BS	ug/L	20.00	77.3 %	26-141	
			BSD	ug/L	20.00	81.2 %	26-141	
			BSRPD	ug/L	20.00	5.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	111 %	80-120	
Di-n-octylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.8 %	55-126	
			BS	ug/L	20.00	95.5 %	29-144	
			BSD	ug/L	20.00	111 %	29-144	
			BSRPD	ug/L	20.00	14.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	113 %	80-120	
Fluoranthene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	91.2 %	73-111	
			BS	ug/L	20.00	94.3 %	48-126	
			BSD	ug/L	20.00	97.8 %	48-126	
			BSRPD	ug/L	20.00	3.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	108 %	80-120	
Fluorene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	85.9 %	64-111	
			BS	ug/L	20.00	89.2 %	38-123	
			BSD	ug/L	20.00	96.0 %	38-123	
			BSRPD	ug/L	20.00	7.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	109 %	80-120	
Hexachlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	80.1 %	66-108	
			BS	ug/L	20.00	83.0 %	40-115	
			BSD	ug/L	20.00	88.8 %	40-115	
			BSRPD	ug/L	20.00	6.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	99.9 %	80-120	
Hexachlorobutadiene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	61.8 %	4-104	
			BS	ug/L	20.00	66.8 %	4-101	
			BSD	ug/L	20.00	69.5 %	4-101	
			BSRPD	ug/L	20.00	3.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	101 %	80-120	
Hexachlorocyclopentadiene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	41.3 %	0-73	
			BS	ug/L	20.00	38.0 %	4-44	
			BSD	ug/L	20.00	39.8 %	4-44	
			BSRPD	ug/L	20.00	4.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
Hexachloroethane	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	71.6 %	16-97	
			BS	ug/L	20.00	78.2 %	0-109	

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Hexachloroethane	625	09/21/17:211355caa	BSD	ug/L	20.00	83.2 %	0-109	
			BSRPD	ug/L	20.00	6.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
Indeno(1,2,3-c,d)pyrene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	103 %	58-129	
			BS	ug/L	20.00	109 %	26-146	
			BSD	ug/L	20.00	100 %	26-146	
			BSRPD	ug/L	20.00	8.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	122 %	80-120	360
Isophorone	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	91.9 %	63-107	
			BS	ug/L	20.00	96.0 %	35-124	
			BSD	ug/L	20.00	102 %	35-124	
			BSRPD	ug/L	20.00	6.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	113 %	80-120	
Naphthalene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	82.4 %	61-104	
			BS	ug/L	20.00	85.5 %	28-122	
			BSD	ug/L	20.00	92.4 %	28-122	
			BSRPD	ug/L	20.00	7.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	108 %	80-120	
Nitrobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.2 %	62-104	
			BS	ug/L	20.00	87.8 %	49-108	
			BSD	ug/L	20.00	95.4 %	49-108	
			BSRPD	ug/L	20.00	8.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
Nitrobenzene-d5	625	09/21/17:211355caa	Blank	ug/L	10.00	60.8 %	23-104	
			LCS	ug/L	10.00	59.8 %	23-104	
			BS	ug/L	10.00	62.1 %	23-104	
			BSD	ug/L	10.00	66.8 %	23-104	
			BSRPD	ug/L	20.00	7.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	10.00	105 %	80-120	
N-Nitrosodimethylamine	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	89.8 %	60-117	
			BS	ug/L	20.00	86.8 %	23-129	
			BSD	ug/L	20.00	104 %	23-129	
			BSRPD	ug/L	20.00	17.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	120 %	80-120	
N-Nitrosodi-N-propylamine	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	83.1 %	61-106	
			BS	ug/L	20.00	87.9 %	30-124	
			BSD	ug/L	20.00	94.1 %	30-124	
			BSRPD	ug/L	20.00	6.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
N-Nitrosodiphenylamine	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	54.1 %	9-136	
			BS	ug/L	20.00	54.5 %	34-127	
			BSD	ug/L	20.00	55.8 %	34-127	
			BSRPD	ug/L	20.00	2.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	86.6 %	80-120	
p-Chloro-m-cresol	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.1 %	65-118	
			BS	ug/L	20.00	101 %	35-142	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
p-Chloro-m-cresol	625	09/21/17:211355caa	BSD	ug/L	20.00	109 %	35-142	
			BSRPD	ug/L	20.00	7.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	120 %	80-120	
Pentachlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	87.9 %	51-131	
			BS	ug/L	20.00	94.6 %	22-172	
			BSD	ug/L	20.00	97.3 %	22-172	
			BSRPD	ug/L	20.00	2.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
Phenanthrene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	87.7 %	71-106	
			BS	ug/L	20.00	90.2 %	44-120	
			BSD	ug/L	20.00	94.4 %	44-120	
			BSRPD	ug/L	20.00	4.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
Phenol	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.7 %	48-134	
			BS	ug/L	20.00	89.0 %	28-130	
			BSD	ug/L	20.00	98.8 %	28-130	
			BSRPD	ug/L	20.00	10.5%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	114 %	80-120	
Phenol-d6	625	09/21/17:211355caa	Blank	ug/L	20.00	62.1 %	26-102	
			LCS	ug/L	20.00	64.6 %	26-102	
			BS	ug/L	20.00	66.1 %	26-102	
			BSD	ug/L	20.00	74.6 %	26-102	
			BSRPD	ug/L	20.00	12.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
p-Terphenyl-d14	625	09/21/17:211355caa	Blank	ug/L	10.00	62.2 %	29-93	
			LCS	ug/L	10.00	60.1 %	29-93	
			BS	ug/L	10.00	60.1 %	29-93	
			BSD	ug/L	10.00	65.2 %	29-93	
			BSRPD	ug/L	20.00	8.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	10.00	95.1 %	80-120	
Pyrene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.5 %	81-101	
			BS	ug/L	20.00	90.0 %	42-120	
			BSD	ug/L	20.00	97.0 %	42-120	
			BSRPD	ug/L	20.00	7.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	105 %	80-120	
Pyridine	625	09/21/17:211355caa	Blank	ug/L		ND	<10	
			LCS	ug/L	20.00	21.1 %	0-78	
			BS	ug/L	20.00	20.3 %	0-99	
			BSD	ug/L	20.00	48.3 %	0-99	
			BSRPD	ug/L	20.00	5.6	≤10	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	122 %	80-120	360
2,4`-DDD	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
2,4`-DDE	625P	09/22/17:214486SG	CCV	ug/L	100.0	119 %	70-130	
2,4`-DDT	625P	09/22/17:214486SG	CCV	ug/L	100.0	121 %	70-130	
Aldrin	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	92.1 %	0-131	
			BS	ug/L	0.1000	30.2 %	4-108	
			BSD	ug/L	0.1000	78.7 %	4-108	
			BSRPD	ug/L	0.1000	89.0%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Alpha BHC	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.3 %	9-125	
			BS	ug/L	0.1000	29.7 %	17-100	
			BSD	ug/L	0.1000	53.9 %	17-100	
			BSRPD	ug/L	0.1000	58.0%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	123 %	70-130	
alpha-Chlordane	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	102 %	14-126	
			BS	ug/L	0.1000	33.1 %	0-135	
			BSD	ug/L	0.1000	84.1 %	0-135	
			BSRPD	ug/L	0.1000	86.9%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	123 %	70-130	
Beta BHC	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	61.5 %	13-125	
			BS	ug/L	0.1000	6.1 %	16-123	436
			BSD	ug/L	0.1000	29.5 %	16-123	
			BSRPD	ug/L	0.1000	0.023	≤0.005	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	82.3 %	70-130	
cis_Nonachlor	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.0 %	10-138	
			BS	ug/L	0.1000	31.3 %	0-120	
			BSD	ug/L	0.1000	75.5 %	0-120	
			BSRPD	ug/L	0.1000	82.8%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	110 %	70-130	
Delta BHC	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	80.1 %	0-122	
			BS	ug/L	0.1000	16.3 %	0-112	
			BSD	ug/L	0.1000	37.5 %	0-112	
			BSRPD	ug/L	0.1000	78.8%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	87.5 %	70-130	
Dieldrin	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.2 %	19-120	
			BS	ug/L	0.1000	33.0 %	0-121	
			BSD	ug/L	0.1000	83.7 %	0-121	
			BSRPD	ug/L	0.1000	86.9%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	114 %	70-130	
Endosulfan I	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	54.5 %	18-129	
			BS	ug/L	0.1000	19.3 %	0-154	
			BSD	ug/L	0.1000	46.5 %	0-154	
			BSRPD	ug/L	0.1000	82.4%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	73.7 %	70-130	
Endosulfan II	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	93.3 %	22-128	
			BS	ug/L	0.1000	39.6 %	0-149	
			BSD	ug/L	0.1000	69.7 %	0-149	
			BSRPD	ug/L	0.1000	55.1%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	93.9 %	70-130	
Endosulfan Sulfate	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	32-106	
			BS	ug/L	0.1000	36.2 %	4-140	
			BSD	ug/L	0.1000	80.4 %	4-140	
			BSRPD	ug/L	0.1000	75.7%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Endrin	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	0-130	
			BS	ug/L	0.1000	26.7 %	7-101	
			BSD	ug/L	0.1000	75.4 %	7-101	
			BSRPD	ug/L	0.1000	95.4%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
Endrin Aldehyde	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	122 %	16-135	
			BS	ug/L	0.1000	39.1 %	0-148	
			BSD	ug/L	0.1000	83.0 %	0-148	
			BSRPD	ug/L	0.1000	72.0%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	114 %	70-130	
Endrin Ketone	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	101 %	25-121	
			BS	ug/L	0.1000	30.4 %	21-111	
			BSD	ug/L	0.1000	59.0 %	21-111	
			BSRPD	ug/L	0.1000	64.1%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	97.6 %	70-130	
gamma-Chlordane	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	98.0 %	20-123	
			BS	ug/L	0.1000	28.3 %	1-116	
			BSD	ug/L	0.1000	77.9 %	1-116	
			BSRPD	ug/L	0.1000	93.3%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	125 %	70-130	
Heptachlor	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.1 %	19-119	
			BS	ug/L	0.1000	23.6 %	13-100	
			BSD	ug/L	0.1000	65.7 %	13-100	
			BSRPD	ug/L	0.1000	94.4%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	126 %	70-130	
Heptachlor Epoxide	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	104 %	18-131	
			BS	ug/L	0.1000	34.6 %	0-127	
			BSD	ug/L	0.1000	87.0 %	0-127	
			BSRPD	ug/L	0.1000	86.3%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	116 %	70-130	
Lindane	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	85.0 %	22-181	
			BS	ug/L	0.1000	21.9 %	0-234	
			BSD	ug/L	0.1000	66.8 %	0-234	
			BSRPD	ug/L	0.1000	101%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	96.9 %	70-130	
Methoxychlor	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	26-113	
			BS	ug/L	0.1000	29.0 %	2-107	
			BSD	ug/L	0.1000	64.2 %	2-107	
			BSRPD	ug/L	0.1000	75.4%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
o,p - DDD	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	104 %	15-136	
			BS	ug/L	0.1000	32.2 %	12-118	
			BSD	ug/L	0.1000	82.7 %	12-118	
			BSRPD	ug/L	0.1000	88.0%	≤25	410
o,p - DDE	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
o,p - DDE	625P	09/20/17:211298caa	LCS	ug/L	0.1000	98.1 %	23-124	
			BS	ug/L	0.1000	29.3 %	0-108	
			BSD	ug/L	0.1000	79.5 %	0-108	
			BSRPD	ug/L	0.1000	92.3%	≤25	410
o,p - DDT	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	109 %	27-131	
			BS	ug/L	0.1000	39.6 %	0-124	
			BSD	ug/L	0.1000	103 %	0-124	
			BSRPD	ug/L	0.1000	89.3%	≤25	410
p,p - DDD	625P	09/22/17:214486SG	CCV	ug/L	100.0	97.7 %	70-130	
p,p - DDE	625P	09/22/17:214486SG	CCV	ug/L	100.0	118 %	70-130	
p,p - DDT	625P	09/22/17:214486SG	CCV	ug/L	100.0	111 %	70-130	
p,p`-DDD	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.5 %	0-177	
			BS	ug/L	0.1000	28.8 %	17-107	
			BSD	ug/L	0.1000	65.7 %	17-107	
			BSRPD	ug/L	0.1000	78.2%	≤25	410
p,p`-DDE	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	87.6 %	23-126	
			BS	ug/L	0.1000	30.6 %	2-107	
			BSD	ug/L	0.1000	76.0 %	2-107	
			BSRPD	ug/L	0.1000	85.2%	≤25	410
p,p`-DDT	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	89.6 %	32-108	
			BS	ug/L	0.1000	19.8 %	0-128	
			BSD	ug/L	0.1000	50.1 %	0-128	
			BSRPD	ug/L	0.1000	86.7%	≤25	410
Tetrachloro-m-xylene	625P	09/20/17:211298caa	Blank	ug/L	0.1000	57.4 %	26-90	
			LCS	ug/L	0.1000	73.8 %	26-90	
			BS	ug/L	0.1000	25.0 %	26-90	436
			BSD	ug/L	0.1000	50.5 %	26-90	
			BSRPD	ug/L	0.1000	67.6%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	126 %	70-130	
trans-Nonachlor	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	107 %	9-139	
			BS	ug/L	0.1000	34.4 %	0-120	
			BSD	ug/L	0.1000	82.1 %	0-120	
			BSRPD	ug/L	0.1000	81.8%	≤25	410
	625P	09/22/17:214486SG	CCV	ug/L	100.0	123 %	70-130	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

Quality Control - Organic

Definition	
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation	
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
362	: Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.
410	: Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
436	: Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Boron	200.7		MS	mg/L	4.000	108 %	75-125	
		(VI 1744799-002)	MSD	mg/L	4.000	112 %	75-125	
			MSRPD	mg/L	4000	3.5%	≤20.0	
	200.7	09/17/17:213973AC	CCV	ppm	5.000	98.8 %	90-110	
			CCB	ppm		0.041	0.1	
			CCV	ppm	5.000	100 %	90-110	
			CCB	ppm		0.039	0.1	
Calcium	200.7		MS	mg/L	12.00	100 %	75-125	
		(VI 1744799-002)	MSD	mg/L	12.00	105 %	75-125	
			MSRPD	mg/L	4000	1.3%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.007	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.006	1	
Copper	200.7		MS	ug/L	800.0	111 %	75-125	
		(VI 1744799-002)	MSD	ug/L	800.0	113 %	75-125	
			MSRPD	ug/L	4000	1.9%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	1.000	103 %	90-110	
			CCB	ppm		0.0007	0.01	
			CCV	ppm	1.000	103 %	90-110	
			CCB	ppm		0.0009	0.01	
Iron	200.7		MS	ug/L	4000	108 %	75-125	
		(VI 1744799-002)	MSD	ug/L	4000	114 %	75-125	
			MSRPD	ug/L	4000	5.2%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	5.000	104 %	90-110	
			CCB	ppm		0.0064	0.03	
			CCV	ppm	5.000	106 %	90-110	
			CCB	ppm		0.0074	0.03	
Magnesium	200.7		MS	mg/L	12.00	105 %	75-125	
		(VI 1744799-002)	MSD	mg/L	12.00	108 %	75-125	
			MSRPD	mg/L	4000	1.6%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	25.00	99.5 %	90-110	
			CCB	ppm		0.006	1	
			CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.006	1	
Manganese	200.7		MS	ug/L	800.0	109 %	75-125	
		(VI 1744799-002)	MSD	ug/L	800.0	112 %	75-125	
			MSRPD	ug/L	4000	3.2%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	1.000	100 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		0.0003	0.01	
Potassium	200.7		MS	mg/L	12.00	113 %	75-125	
		(VI 1744799-002)	MSD	mg/L	12.00	115 %	75-125	
			MSRPD	mg/L	4000	1.8%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	25.00	103 %	90-110	
			CCB	ppm		-0.01	1	
			CCV	ppm	25.00	102 %	90-110	
			CCB	ppm		0.0006	1	
Sodium	200.7		MS	mg/L	12.00	107 %	75-125	
		(VI 1744799-002)	MSD	mg/L	12.00	110 %	75-125	
			MSRPD	mg/L	4000	0.9%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	25.00	97.9 %	90-110	
			CCB	ppm		-0.14	1	
			CCV	ppm	25.00	98.6 %	90-110	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	09/15/17:213964AC	CCB	ppm		-0.09	1	
Zinc	200.7	(VI 1744799-002)	MS	ug/L	800.0	109 %	75-125	
			MSD	ug/L	800.0	112 %	75-125	
			MSRPD	ug/L	4000	3.0%	≤20.0	
	200.7	09/15/17:213964AC	CCV	ppm	1.000	99.5 %	90-110	
			CCB	ppm		-0.0006	0.02	
			CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		0.0006	0.02	
Aluminum	200.8	09/19/17:214164AC	CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		-0.1	10	
			CCV	ppb	120.0	96.4 %	90-110	
			CCB	ppb		0.007	10	
Antimony	200.8	09/19/17:214164AC	CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.17	1	
			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.21	1	
Arsenic	200.8	09/20/17:214239AC	CCV	ppb	120.0	97.9 %	90-110	
			CCB	ppb		-0.06	2	
			CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		-0.01	2	
Barium	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		0.018	0.2	
			CCV	ppb	120.0	103 %	90-110	
			CCB	ppb		0.059	0.2	
Beryllium	200.8	09/19/17:214164AC	CCV	ppb	120.0	111 %	90-110	360
			CCB	ppb		-0.020	0.2	
			CCV	ppb	120.0	99.5 %	90-110	
			CCB	ppb		-0.015	0.2	
Cadmium	200.8	09/19/17:214164AC	CCV	ppb	120.0	110 %	90-110	
			CCB	ppb		0.006	0.2	
			CCV	ppb	120.0	107 %	90-110	
			CCB	ppb		0.031	0.2	
Chromium	200.8	09/19/17:214164AC	CCV	ppb	120.0	108 %	90-110	
			CCB	ppb		0.006	1	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		-0.004	1	
Copper	200.8	09/19/17:214164AC	CCV	ppb	120.0	110 %	90-110	
			CCB	ppb		0.040	0.5	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.094	0.5	
Lead	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		-0.043	0.5	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.029	0.5	
Nickel	200.8	09/20/17:214239AC	CCV	ppb	120.0	99.4 %	90-110	
			CCB	ppb		0.008	1	
			CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.008	1	
Selenium	200.8	09/20/17:214239AC	CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.07	1	
			CCV	ppb	120.0	108 %	90-110	
			CCB	ppb		0.06	1	
Silver	200.8	09/19/17:214164AC	CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.0040	0.25	

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Metals								
Silver	200.8	09/19/17:214164AC	CCV	ppb	120.0	100 %	90-110	
			CCB	ppb		0.0280	0.25	
Thallium	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		0.004	0.2	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.037	0.2	
Mercury	245.1	09/29/17:211748ac	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.2000	99.4 %	85-115	
			MS	ug/L	0.2000	93.5 %	75-125	
		(SP 1711091-001)	MSD	ug/L	0.2000	95.8 %	75-125	
			MSRPD	ug/L	0.2000	2.4%	≤20	
	245.1	09/29/17:214696AC	CCV	ppt	200.0	106 %	90-110	
			CCB	ppt		-6.7	20	
			CCV	ppt	200.0	106 %	90-110	
			CCB	ppt		-6.7	20	
Aluminum	3010	09/18/17:211156amb	Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	100 %	85-115	
			MS	ug/L	40.00	68.8 %	75-125	435
		(CC 1783488-001)	MSD	ug/L	40.00	93.3 %	75-125	
			MSRPD	ug/L	40.00	10.8%	≤20.0	
			PDS	ug/L	40.00	85.0 %	75-125	
Antimony	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	104 %	85-115	
			MS	ug/L	40.00	104 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	2.8%	≤20.0	
			PDS	ug/L	40.00	102 %	75-125	
Arsenic	3010	09/18/17:211156amb	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	88.3 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	87.9 %	75-125	
			MSRPD	ug/L	40.00	0.4%	≤20	
			PDS	ug/L	40.00	88.3 %	75-125	
Barium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	111 %	85-115	
			MS	ug/L	40.00	100 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	110 %	75-125	
			MSRPD	ug/L	40.00	5.1%	≤20.0	
			PDS	ug/L	40.00	109 %	75-125	
Beryllium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	98.4 %	85-115	
			MS	ug/L	40.00	87.4 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	89.1 %	75-125	
			MSRPD	ug/L	40.00	2.0%	≤20.0	
			PDS	ug/L	40.00	88.3 %	75-125	
Cadmium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	114 %	85-115	
			MS	ug/L	40.00	101 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	98.5 %	75-125	
			MSRPD	ug/L	40.00	2.1%	≤20	
			PDS	ug/L	40.00	99.1 %	75-125	
Chromium	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	100 %	75-125	

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Metals								
Chromium	3010	(CC 1783488-001)	MSD	ug/L	40.00	98.7 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20	
			PDS	ug/L	40.00	98.6 %	75-125	
Copper	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	97.3 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	95.7 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20.0	
			PDS	ug/L	40.00	95.8 %	75-125	
Lead	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	109 %	85-115	
			MS	ug/L	40.00	104 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	2.5%	≤20.0	
			PDS	ug/L	40.00	101 %	75-125	
Nickel	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	110 %	85-115	
			MS	ug/L	40.00	100 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	98.8 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20	
			PDS	ug/L	40.00	99.2 %	75-125	
Selenium	3010	09/18/17:211156amb	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	108 %	80-120	
			MS	ug/L	40.00	85.1 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	84.5 %	75-125	
			MSRPD	ug/L	40.00	0.7%	≤20	
			PDS	ug/L	40.00	85.1 %	75-125	
Silver	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.25	
			LCS	ug/L	40.00	107 %	85-115	
			MS	ug/L	40.00	94.1 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	91.6 %	75-125	
			MSRPD	ug/L	40.00	2.7%	≤20.0	
			PDS	ug/L	40.00	92.3 %	75-125	
Thallium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	109 %	85-115	
			MS	ug/L	40.00	103 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	100 %	75-125	
			MSRPD	ug/L	40.00	2.6%	≤20.0	
			PDS	ug/L	40.00	101 %	75-125	
Wet Chem								
Oil and Grease	1664A	09/21/17:211359AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	93.8 %	78-114	
			BS	mg/L	44.89	101 %	78-114	
			BSD	mg/L	44.89	107 %	78-114	
			BSRPD	mg/L	44.89	6.1%	≤18	
Color	2120B	(SP 1711220-006)	Dup	units		0.0	5	
	2120B	09/16/17:213960jmg	CCB	units		0.00	5.0	
			CCV	units	10.00	100 %	90-110	
Turbidity	2130B	(SP 1711294-005)	Dup	NTU		0.0010	0.1	
	2130B	09/16/17:213950AMB	CCV	NTU	10.00	100 %	90-110	
			CCB	NTU		0.087	0.1	
			CCV	NTU	10.00	100 %	90-110	
			CCB	NTU		0.088	0.1	
Odor	2150B	(SP 1711294-005)	Dup	TON		0.0	1	

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Wet Chem								
Chromium VI	218.6	09/18/17:211232JDD	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	100 %	90-110	
			MS	ug/L	2.000	78.2 %	75-125	
		(STK1751572-001)	MSD	ug/L	2.000	92.9 %	75-125	
			MSRPD	ug/L	2.000	2.8%	≤20	
			MS	ug/L	2.000	104 %	75-125	
		(CH 1777845-001)	MSD	ug/L	2.000	106 %	75-125	
			MSRPD	ug/L	2.000	1.8%	≤20	
	218.6	09/18/17:214067JDD	CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	102 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	101 %	95-105	
Alkalinity (as CaCO3)	2320B	(CH 1778060-001)	Dup	mg/L		19.8%	10	440
	2320B	09/15/17:213953AMB	CCV	mg/L	234.9	91.5 %	90-110	
			CCV	mg/L	234.9	89.8 %	90-110	
Bicarbonate	2320B	(CH 1778060-001)	Dup	mg/L		19.8%	10	440
Carbonate	2320B	(CH 1778060-001)	Dup	mg/L		0.0	10	
Hydroxide	2320B	(CH 1778060-001)	Dup	mg/L		0.0	10	
Conductivity	2510B	09/15/17:213887JMG	ICB	umhos/cm		0.40	1	
			CCV	umhos/cm	998.0	105 %	95-105	
			CCV	umhos/cm	998.0	105 %	95-105	
E. C.	2510B	09/15/17:211087jmg	Blank	umhos/cm		ND	<1	
		(SP 1711187-002)	Dup	umhos/cm		0.0%	5	
Total Dissolved Solids (TFR)	2540CE	09/15/17:211113CTL	Blank	mg/L		8.4	20	
			LCS	mg/L	997.3	97.6 %	90-110	
		(SP 1711187-001)	Dup	mg/L		0.7%	5	
		(SP 1711187-002)	Dup	mg/L		1.6%	5	
	2540CE	09/18/17:211119CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	997.3	99.2 %	90-110	
		(SP 1711217-001)	Dup	mg/L		3.4%	5	
		(VI 1744870-001)	Dup	mg/L		1.9%	5	
Solids, Suspended	2540D	09/21/17:211390jba	Blank	mg/L		ND	<1	
			LCS	mg/L	50.14	101 %	61-112	
			LCS	mg/L	50.14	97.7 %	61-112	
		(VI 1744872-001)	Dup	mg/L		0.0%	20	
		(VI 1744872-003)	Dup	mg/L		0.0%	20	
Chloride	300.0		MS	mg/L	50.00	104 %	85-121	
		(VI 1744802-005)	MSD	mg/L	50.00	104 %	85-121	
			MSRPD	mg/L	10.00	0.02%	≤19	
			Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	107 %	90-110	
			MS	mg/L	50.00	92.3 %	85-121	
		(VI 1744799-002)	MSD	mg/L	50.00	93.5 %	85-121	
			MSRPD	mg/L	10.00	0.7%	≤19	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.11	1	
			CCV	mg/L	25.00	107 %	90-110	
			CCB	mg/L		0.00	1	
			CCV	mg/L	25.00	107 %	90-110	
Fluoride	300.0		MS	mg/L	5.000	96.7 %	87-120	
		(VI 1744802-005)	MSD	mg/L	5.000	96.7 %	87-120	
			MSRPD	mg/L	10.00	0.03%	≤16	
			Blank	mg/L		ND	<0.1	
			LCS	mg/L	2.500	107 %	90-110	
			MS	mg/L	5.000	104 %	87-120	

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Wet Chem								
Fluoride	300.0	(VI 1744799-002)	MSD	mg/L	5.000	106 %	87-120	
			MSRPD	mg/L	10.00	1.1%	≤16	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.500	106 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.500	106 %	90-110	
Nitrate	300.0		MS	mg/L	40.00	104 %	85-119	
		(VI 1744802-005)	MSD	mg/L	40.00	103 %	85-119	
			MSRPD	mg/L	10.00	0.2%	≤19	
			Blank	mg/L		ND	<1.8	
			LCS	mg/L	20.00	108 %	90-110	
			MS	mg/L	40.00	113 %	85-119	
		(VI 1744799-002)	MSD	mg/L	40.00	111 %	85-119	
			MSRPD	mg/L	10.00	1.4%	≤19	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	107 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	107 %	90-110	
Nitrite	300.0		MS	mg/L	30.00	106 %	74-126	
		(VI 1744802-005)	MSD	mg/L	30.00	106 %	74-126	
			MSRPD	mg/L	10.00	0.1%	≤20	
			Blank	mg/L		ND	<0.5	
			LCS	mg/L	15.00	107 %	90-110	
			MS	mg/L	30.00	105 %	74-126	
		(VI 1744799-002)	MSD	mg/L	30.00	106 %	74-126	
			MSRPD	mg/L	10.00	1.2%	≤20	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.000	0.5	
			CCV	mg/L	15.00	107 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	15.00	107 %	90-110	
Sulfate	300.0		MS	mg/L	100.0	103 %	82-124	
		(VI 1744802-005)	MSD	mg/L	100.0	103 %	82-124	
			MSRPD	mg/L	10.00	0.03%	≤23	
			Blank	mg/L		ND	<0.5	
			LCS	mg/L	50.00	108 %	90-110	
			MS	mg/L	100.0	96.6 %	82-124	
		(VI 1744799-002)	MSD	mg/L	100.0	98.0 %	82-124	
			MSRPD	mg/L	10.00	1.0%	≤23	
	300.0	09/15/17:214205MCA	CCB	mg/L		0.246	0.5	
			CCV	mg/L	50.00	107 %	90-110	
			CCB	mg/L		0.155	0.5	
			CCV	mg/L	50.00	108 %	90-110	
Perchlorate	314.0	09/29/17:212052MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	104 %	85-115	
			MS	ug/L	25.00	93.2 %	80-120	
		(CH 1777767-001)	MSD	ug/L	25.00	93.6 %	80-120	
			MSRPD	ug/L	25.00	0.4%	≤15	
	314.0	09/29/17:214809MCA	CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	101 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	105 %	85-115	
Nitrogen, Total Kjeldahl	351.2	09/28/17:211649jmg	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	90.5 %	80-120	
			MS	mg/L	12.00	57.9 %	54-136	

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	(VI 1744823-002)	MSD	mg/L	12.00	54.3 %	54-136	
			MSRPD	mg/L	12.00	6.5%	≤25	
Chlorine	4500ClG	10/09/17:215175AMM	CCV	mg/L	0.9937	107 %	90-110	
			CCB	mg/L		-0.015	0.1	
			CCV	mg/L	0.9937	106 %	90-110	
			CCB	mg/L		-0.019	0.1	
Chlorine, Residual	4500ClG	(VI 1744426-001)	Dup	mg/L		0.0082	0.1	
Cyanide	4500CNCE	09/21/17:214193AMM	CCV	mg/L	0.1000	97.2 %	90-110	
			CCB	mg/L		-0.00102	0.004	
			CCV	mg/L	0.1000	97.2 %	90-110	
			CCB	mg/L		-0.00102	0.004	
Cyanide, Total	4500CNCE	09/20/17:211253AMM	Blank	mg/L		ND	<0.004	
			LCS	mg/L	0.1000	107 %	90-110	
			LCS	mg/L	0.4000	105 %	90-110	
			MS	mg/L	0.05000	137 %	26-226	
		(SP 1711091-003)	MSD	mg/L	0.05000	132 %	26-226	
			MSRPD	mg/L	0.05000	3.4%	≤36	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	131 %	70-130	435
		(STK1751678-002)	MSD	mg/L	2.000	121 %	70-130	
			MSRPD	mg/L	2.000	6.3%	≤20	
	4500NH3G	09/15/17:213889AMB	ICB	mg/L		-0.077	0.2	
			ICV	mg/L	2.000	105 %	90-110	
			CCB	mg/L		-0.112	0.2	
			CCV	mg/L	2.000	103 %	90-110	
			CCB	mg/L		-0.140	0.2	
			CCV	mg/L	2.000	105 %	90-110	
Nitrite as Nitrogen	4500NO2F		MS	mg/L	1.218	96.6 %	50-150	
		(CH 1778069-002)	MSD	mg/L	1.218	96.9 %	50-150	
			MSRPD	mg/L	1.218	0.3%	≤30	
Nitrate + Nitrite as N	4500NO3F		MS	mg/L	28.04	38.5 %	5-285	
		(CH 1778069-002)	MSD	mg/L	28.04	38.8 %	5-285	
			MSRPD	mg/L	28.04	0.6%	≤30.4	
	4500NO3F	09/15/17:213928JDD	CCB	mg/L		0.060	0.1	
			CCV	mg/L	11.22	98.5 %	90-110	
			CCB	mg/L		0.047	0.1	
			CCV	mg/L	11.22	97.2 %	90-110	
Nitrite as Nitrogen	4500NO3F	09/15/17:213927JDD	CCB	mg/L		0.01100	0.012	
			CCV	mg/L	1.218	100 %	90-110	
			CCB	mg/L		0.000	0.012	
			CCV	mg/L	1.218	104 %	90-110	
Phosphorus	4500-P B	09/25/17:211523sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	97.4 %	90-116	
			MS	mg/L	0.2800	80.0 %	25-292	
		(CC 1783468-001)	MSD	mg/L	0.2800	71.0 %	25-292	
			MSRPD	mg/L	0.2800	2.8%	≤13.2	
Total Phosphorus	4500PE	09/25/17:214428SJN	CCB	mg/L		-0.002	0.1	
			CCV	mg/L	0.5000	96.3 %	90-110	
			CCB	mg/L		-0.01	0.1	
			CCV	mg/L	0.5000	101 %	90-110	
BOD	5210B	09/15/17:211094kmm	RgBlk	mg/L		0.20	2	
			LCS	mg/L	198.0	114 %	84.6-115	
		(SP 1711229-002)	Dup	mg/L		5.4%	15.9	
		(SP 1711229-002)	Dup	mg/L		15.8%	15.9	
		(SP 1711229-002)	Dup	mg/L		16.7%	15.9	440

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
BOD	5210B	09/20/17:214314kmm	CCV	mg/L	1.000	101 %	80-120	
			CCV	mg/L	1.000	102 %	80-120	
MBAS	5540C	09/15/17:214073jmg	CCB	mg/L		0.000	0.1	
			CCV	mg/L	10.00	100 %	99-101	
MBAS Screen	5540C	(SP 1711221-001)	MS	mg/L	10.00	100 %	90-110	
			MSD	mg/L	10.00	100 %	90-110	
			MSRPD	mg/L	10.00	0.0	≤0.1	
Nitrogen, Total Kjeldahl	EPA351.2	09/29/17:214676AMB	ICB	mg/L		-0.454	0.5	
			ICV	mg/L	5.000	105 %	90-110	
			CCB	mg/L		-0.414	0.5	
			CCV	mg/L	5.000	106 %	90-110	

Definition

PDS	: PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery.
ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
440	: Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Beta	900.0	10/13/17:215586aat	CCV	cpm	8672	90.2 %	83-94	
			CCB	cpm		0.8000	1.03	
Gross Beta	900.0	10/11/17:212249aat	Blank	pCi/L		-0.18	4	
			LCS	pCi/L	71.16	88.7 %	84-160	
			BS	pCi/L	71.16	107 %	80-130	
			BSD	pCi/L	71.16	105 %	80-130	
			BSRPD	pCi/L	107.8	2.0%	≤30	
Alpha	903.0	09/28/17:214650aat	CCV	cpm	8311	40.4 %	37-46	
			CCB	cpm		0.100	0.16	
Total Alpha Radium (226)	903.0	09/24/17:211451elc	RgBlk	pCi/L		0.01	2	
			LCS	pCi/L	21.85	53.6 %	52-107	
			BS	pCi/L	21.85	72.3 %	43-111	
			BSD	pCi/L	21.85	65.7 %	43-111	
			BSRPD	pCi/L	21.85	9.5%	≤35.5	
Tritium	906.0	09/16/17:211140elc	Blank	pCi/L		97	300	
			LCS	pCi/L	1652	124 %	75-125	
			BS	pCi/L	1652	110 %	75-125	
			BSD	pCi/L	1652	112 %	75-125	
			BSRPD	pCi/L	1652	1.6%	≤25	
	906.0	09/17/17:213990elc	CCV	pCi/L	28450	103 %	90-110	
			CCB	pCi/L		9	500	
Alpha	908.0	09/29/17:214757aat	CCV	cpm	8310	39.9 %	36-45	
			CCB	cpm		0.100	0.16	
Uranium	908.0	09/25/17:211488rmm	RgBlk	pCi/L		0.55	1	
			LRS	pCi/L	21.48	78.7 %	54-105	
			BS	pCi/L	21.48	121 %	75-125	
			BSD	pCi/L	21.48	104 %	75-125	
			BSRPD	pCi/L	21.48	15.0%	≤20	
Beta	Ra - 05	10/05/17:215053emv	CCV	cpm	8678	87.4 %	84-94	
			CCB	cpm		0.4400	0.58	
Ra 228	Ra - 05	10/01/17:211578emv	RgBlk	pCi/L		0.03	3	
			LRS	pCi/L	36.26	77.3 %	65-108	
			BS	pCi/L	36.26	93.8 %	75-125	
			BSD	pCi/L	36.26	94.5 %	75-125	
			BSRPD	pCi/L	36.26	0.7%	≤25	
Alpha	SM7110C	10/03/17:214934RMM	CCV	cpm	8307	39.9 %	26-59	
			CCB	cpm		0.0200	0.12	
Gross Alpha	SM7110C	09/28/17:211691rmm	RgBlk	pCi/L		0.25	3	
			LCS	pCi/L	86.54	110 %	75-125	
			BS	pCi/L	86.54	115 %	60-140	
			BSD	pCi/L	86.54	122 %	60-140	
			BSRPD	pCi/L	86.54	5.8%	≤30	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

October 17, 2017 Lab ID : SP 1711220
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Radio

Definition	
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

September 22, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711220

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-EPA 547

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-22

Enclosure

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

Work Order Number: B7I1372
Received on Ice (Y/N): Yes Temp: 5 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

Lab Sample #	Client Sample ID	Matrix	Date Sampled	By	Date Submitted	By
B7I1372-01	MCWP-07D Grab	Water	09/14/17 8:55	Matt P./Ryan S.	09/15/17 10:10	Courier (GSO)

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

Work Order Number: B7I1372
Received on Ice (Y/N): Yes Temp: 5 °C

Laboratory Reference Number
B7I1372-01

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
MCWP-07D	Water	09/14/17 08:55	09/15/17 10:10

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Glyphosate by EPA 547							
Glyphosate	ND	25	ug/L	EPA 547	09/18/17 20:04	JHR	

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

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BABCOCK Laboratories, Inc.
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Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

Work Order Number: B7I1372
Received on Ice (Y/N): Yes Temp: 5 °C

Glyphosate by EPA 547 - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7I18133 - None										
Blank (7I18133-BLK1)				Prepared & Analyzed: 09/18/17						
Glyphosate	ND	25	ug/L							
LCS (7I18133-BS1)				Prepared & Analyzed: 09/18/17						
Glyphosate	92.3	25	ug/L	100		92.3	80-120			
LCS Dup (7I18133-BSD1)				Prepared & Analyzed: 09/18/17						
Glyphosate	177	25	ug/L	200		88.3	80-120	4.40	40	
Matrix Spike (7I18133-MS1)		**Source: B7I1081-01**		Prepared & Analyzed: 09/18/17						
Glyphosate	91.3	25	ug/L	100	ND	91.3	66-126			
Matrix Spike (7I18133-MS2)		**Source: B7I1083-01**		Prepared & Analyzed: 09/18/17						
Glyphosate	93.4	25	ug/L	100	ND	93.4	66-126			

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

Work Order Number: B7I1372
Received on Ice (Y/N): Yes Temp: 5 °C

Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit **(if MDL is reported)**, otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

RDL: Reportable Detection Limit

MDL: Method Detection Limit

* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted.

Nancy H. Boulineau For Cindy A. Waddell

cc:

e-Standard_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 21-Sep-2017

Analytical Report: Page 5 of 5
Project Name: FGL - 547 Glyphosate
Project Number: SP 1711220-(2-25173)

Work Order Number: B7I1372
Received on Ice (Y/N): Yes Temp: 5 °C

Subcontract to Babcock Laboratories, Inc.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711220 - (2-25173)**
Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Method of Sampling: Composite(C) Grab(G)
Type of Sample **SEE REVERSE SIDE**
Potable(P) Non-Potable(NP) Ag Water(AgW)
Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)
Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)
Sub Contracted-EPA 547 8oz(P)

Samp Num	Location Description	Date Sampled	Time Sampled	Map Ref.
6	MCWP-07D	09/14/17	08:55	125 AMBER
				5° C ON ICE-INITIAL

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[illegible]	9/14/17	17:30	GSO	9/15/17	10:10			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	↓	↓	[illegible] ESB	9/15/17	10:10			

B7I1372 NT

SEP 15 2017

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

September 25, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711220

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Bromate,Chlorite, Low-Level

Please note that this analysis was performed by Test America - Irvine (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-25

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-192308-1
Client Project/Site: SP 1711220 - (2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Authorized for release by:
9/25/2017 4:29:15 PM

Janice Hsu, Project Manager I
(949)261-1022
janice.hsu@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-192308-1	MCWP-07D	Water	09/14/17 08:55	09/15/17 08:45

Job ID: 440-192308-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-192308-1

Comments
No additional comments.

Receipt
The sample was received on 9/15/2017 8:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

HPLC/IC
Method(s) 300.1B: The following sample was diluted for the chlorite analyte due to the nature of the sample matrix: MCWP-07D (440-192308-1). Elevated reporting limits (RLs) are provided.

Method(s) 300.1B: The following sample was diluted for the bromate analyte due to the nature of the sample matrix: MCWP-07D (440-192308-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

Client Sample ID: MCWP-07D
Date Collected: 09/14/17 08:55
Date Received: 09/15/17 08:45

Lab Sample ID: 440-192308-1
Matrix: Water

Method: 300.1B - Disinfection By-Products, (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		25	13	ug/L			09/17/17 21:41	5
Chlorite	ND		100	50	ug/L			09/17/17 21:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*102*		*90 - 115*		*09/17/17 21:41*	*5*
Dichloroacetic acid(Surr)	*102*		*90 - 115*		*09/17/17 21:41*	*5*

Method Summary

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

Method	Method Description	Protocol	Laboratory
300.1B	Disinfection By-Products, (IC)	EPA	TAL IRV

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

Client Sample ID: MCWP-07D
Date Collected: 09/14/17 08:55
Date Received: 09/15/17 08:45

Lab Sample ID: 440-192308-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.1B		5			429422	09/17/17 21:41	YZ	TAL IRV
Total/NA	Analysis	300.1B		5			429423	09/17/17 21:41	YZ	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 300.1B - Disinfection By-Products, (IC)

Lab Sample ID: MB 440-429422/5
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		5.0	2.5	ug/L			09/17/17 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*102*		*90 - 115*		*09/17/17 10:49*	*1*

Lab Sample ID: LCS 440-429422/4
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate			25.0	26.1		ug/L		104	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*102*		*90 - 115*

Lab Sample ID: MRL 440-429422/3
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate			5.00	6.05		ug/L		121	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*103*		*90 - 115*

Lab Sample ID: 440-192273-A-2 MS
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate	ND		50.0	58.4		ug/L		117	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*103*		*90 - 115*

Lab Sample ID: 440-192273-A-2 MSD
Matrix: Water
Analysis Batch: 429422

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromate	ND		50.0	61.5		ug/L		123	75 - 125	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*100*		*90 - 115*

Method: 300.1B - Disinfection By-Products, (IC) (Continued)

Lab Sample ID: MB 440-429423/5
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorite	ND		20	10	ug/L			09/17/17 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*102*		*90 - 115*		*09/17/17 10:49*	*1*

Lab Sample ID: LCS 440-429423/4
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite			100	111		ug/L		111	85 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*102*		*90 - 115*

Lab Sample ID: MRL 440-429423/3
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite			20.0	20.9		ug/L		104	10 - 200		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*103*		*90 - 115*

Lab Sample ID: 440-192273-A-2 MS
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chlorite	21		200	242		ug/L		111	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*103*		*90 - 115*

Lab Sample ID: 440-192273-A-2 MSD
Matrix: Water
Analysis Batch: 429423

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorite	21		200	249		ug/L		114	75 - 125	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*100*		*90 - 115*

QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

HPLC/IC

Analysis Batch: 429422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-192308-1	MCWP-07D	Total/NA	Water	300.1B	
MB 440-429422/5	Method Blank	Total/NA	Water	300.1B	
LCS 440-429422/4	Lab Control Sample	Total/NA	Water	300.1B	
MRL 440-429422/3	Lab Control Sample	Total/NA	Water	300.1B	
440-192273-A-2 MS	Matrix Spike	Total/NA	Water	300.1B	
440-192273-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.1B	

Analysis Batch: 429423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-192308-1	MCWP-07D	Total/NA	Water	300.1B	
MB 440-429423/5	Method Blank	Total/NA	Water	300.1B	
LCS 440-429423/4	Lab Control Sample	Total/NA	Water	300.1B	
MRL 440-429423/3	Lab Control Sample	Total/NA	Water	300.1B	
440-192273-A-2 MS	Matrix Spike	Total/NA	Water	300.1B	
440-192273-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.1B	

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 1711220 - (2-25173)

TestAmerica Job ID: 440-192308-1

Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-18
Arizona	State Program	9	AZ0671	10-14-17 *
California	LA Cty Sanitation Districts	9	10256	06-30-18
California	State Program	9	CA ELAP 2706	06-30-18
Guam	State Program	9	Cert. No. 17-003R	01-23-18
Hawaii	State Program	9	N/A	01-29-18
Kansas	NELAP Secondary AB	7	E-10420	07-31-17 *
Nevada	State Program	9	CA015312018-1	07-31-18
New Mexico	State Program	6	N/A	01-29-18 *
Northern Mariana Islands	State Program	9	MP0002	01-29-17 *
Oregon	NELAP	10	4028	01-29-18
USDA	Federal		P330-15-00184	07-08-18
Washington	State Program	10	C900	09-03-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Subcontract to
Test America - Irvine

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ____/____/____ Time: ____/____

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine								
6	MCWP-07D	09/14/17	08:55	G	MW				1								

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/14/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
G50			[signature]	9/14/17	0845			

3.5/3.8-84

5376160411

440-192308 Chain of Custody

9/25/2017

Page 13 of 14

9/19/17

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 440-192308-1

Login Number: 192308
List Number: 1
Creator: Garcia, Veronica G

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

September 29, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711220

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium 90

Please note that this analysis was performed by Test America- St. Louis Missouri

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-29

Enclosure

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-24507-1
Client Project/Site: SP 1711220-(2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Rhonda Ridenhower

Authorized for release by:
9/29/2017 11:38:04 AM

Rhonda Ridenhower, Manager of Project Management
(314)298-8566
rhonda.ridenhower@testamericainc.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 160-24507-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: FGL Environmental

Project: SP 1711220-(2-25173)

Report Number: 160-24507-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/15/2017; the samples arrived in good condition, properly preserved. The temperatures of the 2 coolers at receipt time were 18.0º C and 18.0º C.

STRONTIUM-90 (GFPC)

Sample MCWP-07D (160-24507-1) was analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 09/19/2017 and analyzed on 09/27/2017.

Insufficient sample volume was available to perform a sample duplicate (DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.
MCWP-07D (160-24507-1)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Subcontract to
Test America- St. Louis Missouri

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Map Ref.

160-24507 Chain of Custody

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Strontium 90 - "With 7-Day In-Growth" 8oz(P)										
6	MCWP-07D	09/14/17	08:55	G	MW				1										

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/14/17	17:30	UPS					
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
UPS Next Day	↓	↓		9/15/17	0900			

KNT 9/15/17

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 160-24507-1

Login Number: 24507
List Number: 1
Creator: Taylor, Kristene N

List Source: TestAmerica St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

Method	Method Description	Protocol	Laboratory
905	Strontium-90 (GFPC)	EPA	TAL SL

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-24507-1	MCWP-07D	Water	09/14/17 08:55	09/15/17 09:00

Client Sample Results

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

Client Sample ID: MCWP-07D
Date Collected: 09/14/17 08:55
Date Received: 09/15/17 09:00

Lab Sample ID: 160-24507-1
Matrix: Water

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.175	U	0.204	0.205	3.00	0.337	pCi/L	09/19/17 10:00	09/27/17 18:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*90.1*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:10*	*1*
Y Carrier	*98.3*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:10*	*1*

Method: 905 - Strontium-90 (GFPC)

Lab Sample ID: MB 160-327874/1-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 327874

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	-0.1239	U	0.233	0.233	3.00	0.435	pCi/L	09/19/17 10:00	09/27/17 18:10	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*82.4*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:10*	*1*
Y Carrier	*99.4*		*40 - 110*	*09/19/17 10:00*	*09/27/17 18:10*	*1*

Lab Sample ID: LCS 160-327874/2-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 327874

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Strontium-90			11.2	10.01		1.04	3.00	0.307	pCi/L	90	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Sr Carrier	*91.1*		*40 - 110*
Y Carrier	*102*		*40 - 110*

Lab Sample ID: LCSD 160-327874/3-A
Matrix: Water
Analysis Batch: 329242

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 327874

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Strontium-90			11.2	10.21		1.07	3.00	0.359	pCi/L	91	75 - 125	0.09	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Sr Carrier	*89.9*		*40 - 110*
Y Carrier	*97.9*		*40 - 110*

QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

Rad

Prep Batch: 327874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-24507-1	MCWP-07D	Total/NA	Water	PrecSep-7	
MB 160-327874/1-A	Method Blank	Total/NA	Water	PrecSep-7	
LCS 160-327874/2-A	Lab Control Sample	Total/NA	Water	PrecSep-7	
LCSD 160-327874/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-7	

Tracer/Carrier Summary

Client: FGL Environmental
Project/Site: SP 1711220-(2-25173)

TestAmerica Job ID: 160-24507-1

Method: 905 - Strontium-90 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Sr (C) (40-110)	Y (40-110)
160-24507-1	MCWP-07D	90.1	98.3
LCS 160-327874/2-A	Lab Control Sample	91.1	102
LCSD 160-327874/3-A	Lab Control Sample Dup	89.9	97.9
MB 160-327874/1-A	Method Blank	82.4	99.4

Tracer/Carrier Legend

Sr (C) = Sr Carrier
Y = Y Carrier

October 3, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711220

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted - Asbestos

Please note that this analysis was performed by LA Testing

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-03

Enclosure

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321722029
Customer ID: FGLE25
Customer PO:
Project ID:

Attn: Confirmations Log in
FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/14/2017
Received: 09/15/2017
Analyzed: 09/29/2017

Proj: SP 1711220 - (2-25173)

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
6 321722029-0001	9/15/2017 11:50 AM	100	1288	0.0640	None Detected	ND	0.20	<0.20	0.00 - 0.74

MDL for the TEM EPA 100.2 Method(EPA 600/R-94/134) is 0.2 mfl.

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Report amended: 10/03/2017 10:31:06 Replaces initial report from:09/29/2017 12:04:17 Reason Code: Comment added

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

Subcontract to LA Testing

#321722029

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE** Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)
6	MCWP-07D	09/14/17	08:55	G	MW			1

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/14/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	2	2	DFlores	9/15/17	10:30am			

Temp: 6.0°C

OrderID: 321722029

October 4, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711220

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-04

Enclosure

October 04, 2017

Vista Work Order No. 1701257

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 15, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1711220-(2-25173)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1701257
Case Narrative

Sample Condition on Receipt:

One monitoring well sample was received in good condition and within the method temperature requirements. The sample was received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1613

This sample was extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613 using a ZB-5MS GC column.

Holding Times

The sample was extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701257-01	MCWP-07D	14-Sep-17 08:55	15-Sep-17 10:00	Amber Glass NM Bottle, 1L

Vista Project: 1701257

Client Project: SP 1711220-(2-25173)

ANALYTICAL RESULTS

Sample ID: Method Blank — **EPA Method 1613B**

Matrix:	Aqueous	QC Batch:	B7I0161	Lab Sample:	B7I0161-BLK1
Sample Size:	1.00 L	Date Extracted:	29-Sep-2017 10:00	Date Analyzed :	03-Oct-17 17:18 Column: ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	5.00	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	88.7	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	100	42 - 164	

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

Sample ID:	**OPR**						**EPA Method 1613B**
Matrix:	Aqueous	QC Batch:	B7I0161	Lab Sample:	B7I0161-BS1		
Sample Size:	1.00 L	Date Extracted:	29-Sep-2017 10:00	Date Analyzed:	03-Oct-17 15:41	Column:	ZB-5MS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits
2,3,7,8-TCDD	191	200	95.4	73 - 146

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	95.5	25 - 141
CRS	37Cl-2,3,7,8-TCDD	111	37 - 158

LCL-UCL - Lower control limit - upper control limit

Sample ID: MCWP-07D

EPA Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	FGL Environmental, Inc.	Matrix:	Monitoring Well	Lab Sample:	1701257-01	Date Received:	15-Sep-2017 10:00
Project:	SP 1711220-(2-25173)	Sample Size:	1.02 L	QC Batch:	B7I0161	Date Extracted:	29-Sep-2017 10:00
Date Collected:	14-Sep-2017 8:55			Date Analyzed :	03-Oct-17 23:46	Column:	ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	4.90	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	91.4	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	107	42 - 164	

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	**This compound was also detected in the method blank.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Reporting Limit/LOQ.**
M	**Estimated Maximum Possible Concentration. (CA Region 2 projects only)**
*****	**See Cover Letter**
Conc.	**Concentration**
NA	**Not applicable**
ND	**Not Detected**
TEQ	**Toxic Equivalency**
U	**Not Detected (specific projects only)**

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Subcontract to
Vista Analytical Laboratory

1701257, 2.7°C

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)										Map Ref.
6	MCWP-07D	09/14/17	08:55	G	MW				2										

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/14/17	17:30	GSO	9/15/17	1000			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	↓	↓	[signature]	9/15/17	1010			

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1701257 **TAT** Std

Samples Arrival:	**Date/Time** 09/15/17 1000	**Initials:** SR	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 09/15/17 1630	**Initials:** SR	**Location:** WR-2 **Shelf/Rack:** B2

Delivered By:	FedEx	UPS	On Trac	(GSO)	DHL	Hand Delivered	Other
Preservation:	(Ice)		(Blue Ice)		Dry Ice		None

Temp °C: 2.6 (uncorrected)	**Time:** 1002	**Thermometer ID:** IR-1
Temp °C: 2.7 (corrected)	**Probe used:** Yes☐ No☒	

	YES	NO	NA
Adequate Sample Volume Received? 1 Liter	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Shipping Documentation Present?	✓		
Airbill / Trk # 537616007	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	✓

If Chlorinated or Drinking Water Samples, Acceptable Preservation?						✓
Preservation Documented:	$Na_2S_2O_3$	Trizma	(None)		Yes	(No) (NA)
Shipping Container	Vista	(Client)	Retain	Return	Dispose	

Comments:

October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711220

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 525

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-17

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1807

Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
10/16/2017

EUROFINS EATON ANALYTICAL, INC.

NELAP ACCREDITED TNI LABORATORY ORELAP 4034

Report: 686845
Project: DRINKING
Group: ORGANICS - EPA 500's

MP6E: Alicia Del Carlo

Project Manager

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Michigan**	9906
Arizona	AZ0778	**Mississippi**	Certified
Arkansas	Certified	**Montana**	Cert 0035
California-Monrovia-ELAP	2813	**Nebraska**	Certified
California-Colton- ELAP	2812	**Nevada**	CA00006-2016
California-Folsom- ELAP	2820	**New Hampshire ***	2959
California-Fresno- ELAP	2966	**New Jersey ***	CA 008
Colorado	Certified	**New Mexico**	Certified
Connecticut	PH-0107	**New York ***	11320
Delaware	CA 006	**North Carolina**	06701
Florida *	E871024	**North Dakota**	R-009
Georgia	947	**Oregon (Primary AB) ***	**ORELAP 4034**
Guam	17-005R	**Pennsylvania ***	68-565
Hawaii	Certified	**Puerto Rico**	Certified
Idaho	Certified	**Rhode Island**	LAO00326
Illinois *	200033	**South Carolina**	87016
Indiana	C-CA-01	**South Dakota**	Certified
Iowa - Asbestos	413	**Tennessee**	TN02839
Kansas *	E-10268	**Texas ***	T104704230-16-11
Kentucky	90107	**Utah ***	CA000062017-11
Louisiana *	LA170009	**Vermont**	VT0114
Maine	CA0006	**Virginia ***	460260
Maryland	224	**Washington**	C838
Commonwealth of Northern Marianas Is.	MP0004	**EPA Region 5**	Certified
Massachusetts	M-CA006	**Los Angeles County Sanitation Districts**	10264

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 626-386-1101
www.EatonAnalytical.com

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
Bicarbonate Alkalinity as HCO3	SM 2320B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1623	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	x		x
NDMA	TQ In house method based on EPA 521 (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	x		
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Semi-VOC	EPA 625		x	x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-$S^{=}$ D		x	
Sulfite	SM 4500-SO^{3}B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

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Acknowledgement of Samples Received

Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 686845
Project: DRINKING (SP 1711220)
Sample Group: ORGANICS - EPA 500's

Project Manager: Alicia Del Carlo
Phone: 559-797-1931
Sampler: Matt P./Ryan S.

The following samples were received from you on **September 15, 2017** at **0922**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, Inc..

Sample #	Sample ID	Sample Date
201709150743	TRAVEL BLANK - Hold	09/14/2017 0920
	@525_FGL_SHORT TBC	
201709150744	MCWP-07D	09/14/2017 0855
	@525_FGL_SHORT	
201709150745	MCWP-MW09	09/14/2017 1150
	@525_FGL_SHORT	

Test Description

@525_FGL_SHORT -- Semivolatiles by GCMS

@525_FGL_SHORT TBC -- Semivolatiles by GCMS

Subcontract to
Eurofins Eaton Analytical, Inc.

68684

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711220 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl								Map Ref.
0	Travel Blank	09/14/17	09:20	G	LBW				1								
6	MCWP-07D	09/14/17	08:55	G	MW				1								
7	MCWP-MW09	09/14/17	11:50	G	MW				1								

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/14/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	09/14/17	[illegible]	[signature]	9/15/17	9:22			

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INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 686845

SAMPLES REC'D DAY OF COLLECTION? ☐

SAMPLE TEMP RECEIVED:

IR Gun ID = 569A (Observation= 5.8 °C) (Corr.Factor -0.2°C) (Final = 5.6 °C)

TYPE OF ICE: Real ✓ Synthetic ____ No Ice ____ CONDITION OF ICE: Frozen ✓ Partially Frozen ____ Thawed ____ N/A ____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GSO

Compliance Acceptance Criteria:

1) Chemistry: >0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

- If out of temperature range (for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C)	2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C)
3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C)	4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final= ____ °C)

4) UCMR3 : (non-GLEC) 524.3: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

522: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

≤10°C if received within 48 hours of sample collection (not the same business day); ≤ 6°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia /Cryptosporidium: <20 °C, not frozen (received after 8 hours of sample collection)

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Crypto: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

E.Coli: (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:		Eurofins Eaton Analytical	9/15/17	9:22

Page ___ of ___

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Laboratory Comments

Report: 686845
Project: DRINKING (SP 1711220)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Flags Legend:

E6 - Concentration estimated. Internal standard recoveries did not meet method acceptance criteria.

The Comments Report may be blank if there are no comments for this report.

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Laboratory Hits

Report: 686845
Project: DRINKING (SP 1711220)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/15/2017 0922

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	201709150743	**TRAVEL BLANK - Hold**				
09/26/2017 22:50	Di(2-Ethylhexyl)phthalate		1.5	6	ug/L	0.6
	201709150745	**MCWP-MW09**				
09/26/2017 23:37	Di(2-Ethylhexyl)phthalate		0.75	6	ug/L	0.6

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data

Report: 686845
Project: DRINKING (SP 1711220)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/15/2017 0922

Prepared	Analyzed	Prep Batch	Analyze Batch	Method	Analyte	Result	Units	MDL	MRL	Dilution
TRAVEL BLANK - Hold (201709150743)							**Sampled on 09/14/2017 0920**			
				EPA 525.2 - Semivolatiles by GCMS						
09/25/17	09/26/17 22:50	1030072	1030886	(EPA 525.2)	Benzo(a)pyrene	ND (E6)	ug/L	0.011	0.02	1
09/25/17	09/26/17 22:50	1030072	1030886	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND (E6)	ug/L	0.063	0.6	1
09/25/17	09/26/17 22:50	1030072	1030886	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	1.5 (E6)	ug/L	0.15	0.6	1
09/25/17	09/26/17 22:50	1030072	1030886	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	94	%			1
09/25/17	09/26/17 22:50	1030072	1030886	(EPA 525.2)	Acenaphthene-d10	21	%			1
09/25/17	09/26/17 22:50	1030072	1030886	(EPA 525.2)	Chrysene-d12	33	%			1
09/25/17	09/26/17 22:50	1030072	1030886	(EPA 525.2)	Perylene-d12	83	%			1
09/25/17	09/26/17 22:50	1030072	1030886	(EPA 525.2)	Phenanthrene-d10	25	%			1
MCWP-07D (201709150744)							**Sampled on 09/14/2017 0855**			
				EPA 525.2 - Semivolatiles by GCMS						
09/25/17	09/26/17 23:14	1030072	1030886	(EPA 525.2)	Benzo(a)pyrene	ND	ug/L	0.011	0.02	1
09/25/17	09/26/17 23:14	1030072	1030886	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.063	0.6	1
09/25/17	09/26/17 23:14	1030072	1030886	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	ND	ug/L	0.15	0.6	1
09/25/17	09/26/17 23:14	1030072	1030886	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	102	%			1
09/25/17	09/26/17 23:14	1030072	1030886	(EPA 525.2)	Acenaphthene-d10	120	%			1
09/25/17	09/26/17 23:14	1030072	1030886	(EPA 525.2)	Chrysene-d12	124	%			1
09/25/17	09/26/17 23:14	1030072	1030886	(EPA 525.2)	Perylene-d12	102	%			1
09/25/17	09/26/17 23:14	1030072	1030886	(EPA 525.2)	Phenanthrene-d10	120	%			1
MCWP-MW09 (201709150745)							**Sampled on 09/14/2017 1150**			
				EPA 525.2 - Semivolatiles by GCMS						
09/25/17	09/26/17 23:37	1030072	1030886	(EPA 525.2)	Benzo(a)pyrene	ND	ug/L	0.011	0.02	1
09/25/17	09/26/17 23:37	1030072	1030886	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.063	0.6	1
09/25/17	09/26/17 23:37	1030072	1030886	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	0.75	ug/L	0.15	0.6	1
09/25/17	09/26/17 23:37	1030072	1030886	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	103	%			1
09/25/17	09/26/17 23:37	1030072	1030886	(EPA 525.2)	Acenaphthene-d10	107	%			1
09/25/17	09/26/17 23:37	1030072	1030886	(EPA 525.2)	Chrysene-d12	108	%			1
09/25/17	09/26/17 23:37	1030072	1030886	(EPA 525.2)	Perylene-d12	96	%			1
09/25/17	09/26/17 23:37	1030072	1030886	(EPA 525.2)	Phenanthrene-d10	111	%			1

Rounding on totals after summation.
(c) - Indicates calculated results.
ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.

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Laboratory QC Summary

Report: 686845
Project: DRINKING (SP 1711220)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

Semivolatiles by GCMS

Prep Batch: 1030072 **Analytical Batch: 1030886** **Analysis Date: 09/26/2017**

201709150743	TRAVEL BLANK - Hold	Analyzed by: KAM
201709150744	MCWP-07D	Analyzed by: KAM
201709150745	MCWP-MW09	Analyzed by: KAM

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Report: 686845
Project: DRINKING (SP 1711220)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Semivolatiles by GCMS by EPA 525.2									
Prep Batch: 1030072 Analytical Batch: 1030886							**Analysis Date: 09/26/2017**		
LCS1	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
LCS2	1,3-Dimethyl-2-nitrobenzene (S)			110	%	110	(70-130)		
MBLK	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
MRL_CHK	1,3-Dimethyl-2-nitrobenzene (S)			106	%	106	(70-130)		
MS_201709250053	1,3-Dimethyl-2-nitrobenzene (S)			109	%	109	(70-130)		
MSD_201709250053	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
LCS1	Acenaphthene-d10 (I)			88.3	%	88	(50-150)		
LCS2	Acenaphthene-d10 (I)			92.6	%	93	(50-150)		
MBLK	Acenaphthene-d10 (I)			85.7	%	86	(50-150)		
MRL_CHK	Acenaphthene-d10 (I)			86.4	%	86	(50-150)		
MS_201709250053	Acenaphthene-d10 (I)			95.5	%	96	(50-150)		
MSD_201709250053	Acenaphthene-d10 (I)			97.0	%	97	(50-150)		
LCS1	Benzo(a)pyrene		2	2.05	ug/L	102	(70-130)		
LCS2	Benzo(a)pyrene		2	2.04	ug/L	102	(70-130)	20	0.49
MBLK	Benzo(a)pyrene			<0.01	ug/L				
MRL_CHK	Benzo(a)pyrene		0.02	0.0210	ug/L	105	(50-150)		
MS_201709250053	Benzo(a)pyrene	ND	2	2.12	ug/L	106	(70-130)		
MSD_201709250053	Benzo(a)pyrene	ND	2	2.07	ug/L	104	(70-130)	20	2.4
LCS1	Chrysene-d12 (I)			87.3	%	87	(50-150)		
LCS2	Chrysene-d12 (I)			70.4	%	70	(50-150)		
MBLK	Chrysene-d12 (I)			76.5	%	77	(50-150)		
MRL_CHK	Chrysene-d12 (I)			76.8	%	77	(50-150)		
MS_201709250053	Chrysene-d12 (I)			81.0	%	81	(50-150)		
MSD_201709250053	Chrysene-d12 (I)			98.4	%	98	(50-150)		
LCS1	Di-(2-Ethylhexyl)adipate		2	2.09	ug/L	104	(70-130)		
LCS2	Di-(2-Ethylhexyl)adipate		2	1.79	ug/L	90	(70-130)	20	16
MBLK	Di-(2-Ethylhexyl)adipate			<0.15	ug/L				
MRL_CHK	Di-(2-Ethylhexyl)adipate		0.3	0.276	ug/L	92	(50-150)		
MS_201709250053	Di-(2-Ethylhexyl)adipate	ND	2	1.90	ug/L	95	(70-130)		
MSD_201709250053	Di-(2-Ethylhexyl)adipate	ND	2	2.10	ug/L	105	(70-130)	20	9.5
LCS1	Di(2-Ethylhexyl)phthalate		2	2.27	ug/L	114	(70-130)		
LCS2	Di(2-Ethylhexyl)phthalate		2	2.08	ug/L	104	(70-130)	20	8.7
MBLK	Di(2-Ethylhexyl)phthalate			<0.15	ug/L				
MRL_CHK	Di(2-Ethylhexyl)phthalate		0.6	0.653	ug/L	109	(50-150)		
MS_201709250053	Di(2-Ethylhexyl)phthalate	ND	2	2.10	ug/L	105	(70-130)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Report: 686845
Project: DRINKING (SP 1711220)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_201709250053	Di(2-Ethylhexyl)phthalate	ND	2	2.13	ug/L	106	(70-130)	20	1.4
LCS1	Perylene-d12 (S)			93.2	%	93	(70-130)		
LCS2	Perylene-d12 (S)			90.4	%	90	(70-130)		
MBLK	Perylene-d12 (S)			79.4	%	79	(70-130)		
MRL_CHK	Perylene-d12 (S)			87.3	%	87	(70-130)		
MS_201709250053	Perylene-d12 (S)			95.2	%	95	(70-130)		
MSD_201709250053	Perylene-d12 (S)			95.2	%	95	(70-130)		
LCS1	Phenanthrene-d10 (I)			86.6	%	87	(50-150)		
LCS2	Phenanthrene-d10 (I)			81.9	%	82	(50-150)		
MBLK	Phenanthrene-d10 (I)			83.5	%	84	(50-150)		
MRL_CHK	Phenanthrene-d10 (I)			83.5	%	84	(50-150)		
MS_201709250053	Phenanthrene-d10 (I)			88.1	%	88	(50-150)		
MSD_201709250053	Phenanthrene-d10 (I)			96.6	%	97	(50-150)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

October 24, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analyses for FGL Lab No. SP 1711222

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-EstradiolPharma Positive:Caffiene, DEET, SucralosePharma Negative: Triclosan
- Sub Contracted-EPA 1625M NDMA

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-24

Enclosure

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 7I15014

Project: SP 1711222- (2-25173)

Attn: Cindy Aguirre

Client: FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Report Date: 10/24/2017

Received Date: 9/15/2017

Turnaround Time: Normal

Phones: (805) 392-2012

Fax: (805) 525-4172

P.O. #:

Billing Code:

Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/15/17 with the Chain-of-Custody document. The samples were received in good condition, at 2.4 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: MCWP-07D — Sampled: 09/14/17 8:55 by Ryan S/ Matt P

7I15014-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Method: EPA 1625M **Batch ID:** W7I0922 **Instr:** GCMS09 **Prepared:** 09/18/17 07:23 **Analyst:** smr							
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	09/20/17 13:09	
Method: EPA 1694M-APCI **Batch ID:** W7I1388 **Instr:** LCMS02 **Prepared:** 09/25/17 09:56 **Analyst:** kan							
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/04/17 01:29	
Method: EPA 1694M-ESI- **Batch ID:** W7I1389 **Instr:** LCMS02 **Prepared:** 09/25/17 09:57 **Analyst:** kan							
Triclosan	ND	1.2	2.0	ng/l	1	09/29/17 03:13	
Method: EPA 1694M-ESI+ **Batch ID:** W7I1387 **Instr:** LCMS02 **Prepared:** 09/25/17 09:53 **Analyst:** kan							
Caffeine	**1.6**	0.31	1.0	ng/l	1	10/21/17 09:15	
DEET	**0.93**	0.060	1.0	ng/l	1	10/14/17 16:54	J
Sucralose	**26**	5.0	5.0	ng/l	1	10/21/17 09:15	

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www.wecklabs.com

Quality Control Results

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I0922-BLK1)					**Prepared: 09/18/17 Analyzed: 09/19/17**						
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l							
LCS (W7I0922-BS1)					**Prepared: 09/18/17 Analyzed: 09/19/17**						
N-Nitrosodimethylamine	2.86	0.50	2.0	ng/l	3.00		95	50-150			
LCS Dup (W7I0922-BSD1)					**Prepared: 09/18/17 Analyzed: 09/19/17**						
N-Nitrosodimethylamine	3.25	0.50	2.0	ng/l	3.00		108	50-150	13	50	

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1387-BLK1)					**Prepared: 09/25/17 Analyzed: 10/14/17**						
DEET	0.980	0.060	1.0	ng/l							J
Blank (W7I1387-BLK2)					**Prepared: 09/25/17 Analyzed: 10/21/17**						
Caffeine	0.325	0.31	1.0	ng/l							QC-2, J
Sucralose	ND	5.0	5.0	ng/l							QC-2
LCS (W7I1387-BS1)					**Prepared: 09/25/17 Analyzed: 10/14/17**						
DEET	11.9	0.060	1.0	ng/l	10.0		119	45-135			
LCS (W7I1387-BS2)					**Prepared: 09/25/17 Analyzed: 10/21/17**						
Caffeine	10.7	0.31	1.0	ng/l	10.0		107	55-152			QC-2
Sucralose	62.1	5.0	5.0	ng/l	50.0		124	50-150			QC-2
LCS Dup (W7I1387-BSD1)					**Prepared: 09/25/17 Analyzed: 10/14/17**						
DEET	13.5	0.060	1.0	ng/l	10.0		135	45-135	13	30	
LCS Dup (W7I1387-BSD2)					**Prepared: 09/25/17 Analyzed: 10/21/17**						
Caffeine	12.6	0.31	1.0	ng/l	10.0		126	55-152	16	30	QC-2
Sucralose	74.9	5.0	5.0	ng/l	50.0		150	50-150	19	30	QC-2

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Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1389-BLK1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	3.11	0.27	1.0	ng/l							B
Diclofenac	ND	0.26	1.0	ng/l							
Gemfibrozil	ND	0.080	1.0	ng/l							
Ibuprofen	ND	0.39	1.0	ng/l							
Iopromide	ND	1.8	5.0	ng/l							
Naproxen	ND	0.25	1.0	ng/l							
Salicylic Acid	21.1	0.86	50	ng/l							J
Triclosan	ND	1.2	2.0	ng/l							
LCS (W7I1389-BS1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	15.8	0.27	1.0	ng/l	10.0		158	53-168			
Diclofenac	24.6	0.26	1.0	ng/l	10.0		246	37-218			Q-08
Gemfibrozil	12.1	0.080	1.0	ng/l	10.0		121	76-122			
Ibuprofen	19.8	0.39	1.0	ng/l	10.0		198	67-139			Q-08
Iopromide	63.3	1.8	5.0	ng/l	50.0		127	0.1-163			
Naproxen	16.7	0.25	1.0	ng/l	10.0		167	64-138			Q-08
Salicylic Acid	124	0.86	50	ng/l	100		124	56-229			
Triclosan	12.1	1.2	2.0	ng/l	10.0		121	76-139			
LCS Dup (W7I1389-BSD1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	16.2	0.27	1.0	ng/l	10.0		162	53-168	3	30	
Diclofenac	22.3	0.26	1.0	ng/l	10.0		223	37-218	10	30	Q-08
Gemfibrozil	11.9	0.080	1.0	ng/l	10.0		119	76-122	2	30	
Ibuprofen	18.0	0.39	1.0	ng/l	10.0		180	67-139	10	30	Q-08
Iopromide	57.4	1.8	5.0	ng/l	50.0		115	0.1-163	10	30	
Naproxen	16.8	0.25	1.0	ng/l	10.0		168	64-138	0.6	30	Q-08
Salicylic Acid	125	0.86	50	ng/l	100		125	56-229	0.8	30	
Triclosan	11.9	1.2	2.0	ng/l	10.0		119	76-139	2	30	

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Blank (W7I1388-BLK1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	ND	0.31	1.0	ng/l							
LCS (W7I1388-BS1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	11.9	0.31	1.0	ng/l	10.0		119	65-146			
LCS Dup (W7I1388-BSD1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	11.8	0.31	1.0	ng/l	10.0		118	65-146	0.8	30	

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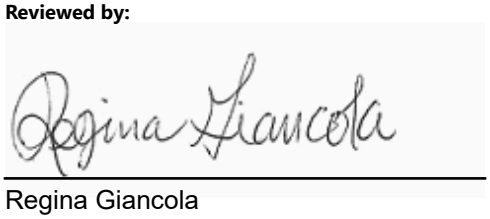
Notes and Definitions

Item	Definition
B	Blank contamination. The analyte was found in the associated blank as well as in the sample.
J	Estimated conc. detected <MRL and >MDL.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

Reviewed by:



Regina Giancola
Project Manager

DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015 ● SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

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WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER:	7I15014	**Printed:**	9/18/2017 4:57:17PM
Client:	FGL Environmental	**Project Manager:**	Regina Giancola
Project:	FGL Environmental	**Project Number:**	SP 1711222- (2-25173)

Report To:
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

Invoice To:
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

Date Due:	09/29/17 09:00 (10 day TAT)		
Received By:	Lester K. Abad	**Date Received:**	09/15/17 08:10
Logged In By:	Lester K. Abad	**Date Logged In:**	09/15/17 09:59

Samples Received at:	**2.4°C**				
All containers intact:	**Yes**	Sample labels & COC agree	**Yes**	Sufficient holding time for all tests	**Yes**
Custody Seals	**No**	Samples preserved properly	**Yes**	Received on Ice	**Yes**
Chain of custody completed	**Yes**	Sample volume sufficient	**Yes**	Appropriate sample containers	**Yes**

Samples

Analysis	Expires	Analysis Comments
7I15014-01 Sample Name: MCWP-07D [Water] Sampled 9/14/2017 08:55		
NDMA	09/21/17 08:55	SEE COC
PPCP Hormones	10/12/17 08:55	SEE COC
PPCP Pharma-Negative	10/12/17 08:55	SEE COC
PPCP Pharma-Positive	10/12/17 08:55	SEE COC

Regina Giancola — 9/18/2017

Authorized Signature — Date

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

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Subcontract to
Weck Laboratories, Inc.

7I15014

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711222 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT)						
6	MCWP-07D	09/14/17	08:55	G	MW				2	2						

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/14/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	↓	↓	[signature]	9-15-17	8:10			

2.4°

September 21, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

SP 1711294:5 **COLIFORM BACTERIA ANALYSIS**
Customer ID : 2-25173

System Number :
Project Name : Malibu WWTP - Baseline GWM

Sample Handling Information

ID	Sample Number	Sample Description	Sample Type/Reason	Sampled By	Employed By	Sampled	Started	Finished
1	SP 1711294-005	MCWP-04D	Source-Other	Matt P./Ryan S.	Not Available	09/15/2017 11:40	09/15/2017 16:30 lmm	09/17/2017 lmm

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	E. Coli	Person Notified ‡	Date ‡ Notified	Time ‡ Notified	Foot Note
1	MCWP-04D	---	---	SM 9221B	MPN/100ml	<1.8 ABSENT	<1.8 ABSENT	---	N/R			

N/R Not Required. MPN Most Probable Number A/P Absence/Presence ‡ Client Notification details.

Analyses were performed using Standard Methods 21st edition. If you have any questions regarding your results, please call.

RRH:SMH

Reviewed and Approved By **Raquel R. Harvey** Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2017-09-21

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FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1711294
Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 61 pages divided into 3 sections:

Case Narrative	(6 pages)	: An overview of the work performed at FGL.
Sample Results	(16 pages)	: Results for each sample submitted.
Quality Control	(39 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Travel Blank	09/15/2017	09/15/2017	SP 1711294-000	LBW
MCWP-04D	09/15/2017	09/15/2017	SP 1711294-005	MW

Sampling and Receipt Information: All samples were received, prepared and analyzed within the method specified holding except those as listed in the table below.

Lab ID	Analyte/Method	Required Holding Time	Actual Holding Time
SP 1711294-005	Chlorine, Total	15	5893.2 Minutes

All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	10/05/2017:215039 All analysis quality controls are within established criteria.
	10/06/2017:215064 All analysis quality controls are within established criteria.
	10/05/2017:211996 All preparation quality controls are within established criteria.
200.8	09/19/2017:214164 All analysis quality controls are within established criteria, except: The following note applies to Arsenic, Beryllium: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

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FAX: (559)734-8435
CA ELAP Certification No. 2810

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Metals QC

200.8	09/20/2017:214239 All analysis quality controls are within established criteria.
245.1	09/29/2017:214696 All analysis quality controls are within established criteria.
	09/29/2017:211748 All preparation quality controls are within established criteria.
3010	09/18/2017:211156 All preparation quality controls are within established criteria, except: The following note applies to Aluminum: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Organic QC

504	09/20/2017:211319 All preparation quality controls are within established criteria, except: The following note applies to 1,3-Dibromopropane: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
504.1	09/22/2017:214159 All analysis quality controls are within established criteria.
505	09/21/2017:214160 All analysis quality controls are within established criteria, except: The following note applies to Tetrachloro-m-xylene: 362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.
	09/20/2017:211318 All preparation quality controls are within established criteria.
507	09/29/2017:214644 All analysis quality controls are within established criteria.
	09/26/2017:211540 All preparation quality controls are within established criteria.
515.3	09/25/2017:214317 All analysis quality controls are within established criteria.
	09/21/2017:211389 All preparation quality controls are within established criteria, except: The following note applies to 2,4,5-TP (Silvex): 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
524.2	09/28/2017:215230 All analysis quality controls are within established criteria, except: The following note applies to Chloroethane (Ethyl Chloride): 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/28/2017:212151 All preparation quality controls are within established criteria.

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Organic QC

531.1	09/25/2017:214426 All analysis quality controls are within established criteria.
	09/25/2017:211520 All preparation quality controls are within established criteria, except: The following note applies to Aldicarb Sulfone/Sulfoxide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
5310C	09/20/2017:214222 All analysis quality controls are within established criteria.
	09/20/2017:211306 All preparation quality controls are within established criteria.
548.1	09/22/2017:214244 All analysis quality controls are within established criteria.
	09/19/2017:211274 All preparation quality controls are within established criteria.
549	09/19/2017:211268 All preparation quality controls are within established criteria, except: The following note applies to Diquat Dibromide: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
549.2	09/26/2017:214477 All analysis quality controls are within established criteria.
552	09/22/2017:211426 All preparation quality controls are within established criteria.
552.2	09/23/2017:214323 All analysis quality controls are within established criteria, except: The following note applies to 2,3-Dibromopropionic Acid: 362 Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.
608/8081	09/22/2017:214242 All analysis quality controls are within established criteria.
	09/18/2017:211160 All preparation quality controls are within established criteria, except: The following note applies to Tetrachloro-m-xylene: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
624	09/19/2017:214843 All analysis quality controls are within established criteria, except: The following note applies to Acrylonitrile: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/19/2017:211857 All preparation quality controls are within established criteria, except:

Organic QC

624	The following note applies to 2-Chloroethylvinyl ether, Acrylonitrile, Freon-11, Chloroethane (Ethyl Chloride): 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery. The following note applies to Freon-11, Fluorobenzene: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
625	09/27/2017:214621 All analysis quality controls are within established criteria, except: The following note applies to 4-Nitrophenol, Dibenzo(a,h)anthracene, 3,3-Dichlorobenzidine, Indeno(1,2,3-c,d)pyrene, Pyridine: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	09/21/2017:211355 All preparation quality controls are within established criteria.
625P	09/23/2017:214486 All analysis quality controls are within established criteria.
	09/20/2017:211298 All preparation quality controls are within established criteria, except: The following note applies to Beta BHC, Tetrachloro-m-xylene: 436 Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery. The following note applies to Alpha BHC, alpha-Chlordane, Aldrin, Beta BHC, cis_Nonachlor, Delta BHC, Dieldrin, Endosulfan I, Endosulfan II, Endosulfa: 410 Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.

Radio QC

900.0	10/06/2017:215190 All analysis quality controls are within established criteria.
	10/04/2017:211932 All preparation quality controls are within established criteria, except: 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	10/02/2017:215049 All analysis quality controls are within established criteria.
	09/26/2017:211575 All preparation quality controls are within established criteria.
906.0	09/24/2017:214417 All analysis quality controls are within established criteria.
	09/23/2017:211448 All preparation quality controls are within established criteria.
908.0	10/17/2017:215693 All analysis quality controls are within established criteria.

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Radio QC

908.0	10/12/2017:212329 All preparation quality controls are within established criteria.
Ra - 05	10/10/2017:215471 All analysis quality controls are within established criteria.
	09/30/2017:211715 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

1664A	09/25/2017:211483 All preparation quality controls are within established criteria.
2120B	09/16/2017:213960 All analysis quality controls are within established criteria.
	09/16/2017:211145 All preparation quality controls are within established criteria.
2130B	09/16/2017:213948 All analysis quality controls are within established criteria.
	09/16/2017:211139 All preparation quality controls are within established criteria.
2150B	09/16/2017:211117 All preparation quality controls are within established criteria.
218.6	09/18/2017:214067 All analysis quality controls are within established criteria.
	09/18/2017:211232 All preparation quality controls are within established criteria.
2320B	09/19/2017:214076 All analysis quality controls are within established criteria.
	09/19/2017:211229 All preparation quality controls are within established criteria.
2510B	09/16/2017:213955 All analysis quality controls are within established criteria.
	09/16/2017:211143 All preparation quality controls are within established criteria.
2540CE	09/19/2017:211250 All preparation quality controls are within established criteria.
2540D	09/21/2017:211390 All preparation quality controls are within established criteria.
300.0	09/15/2017:214206 All analysis quality controls are within established criteria.
	09/16/2017:214206 All analysis quality controls are within established criteria.
	09/15/2017:211341 All preparation quality controls are within established criteria.
314.0	09/23/2017:214659 All analysis quality controls are within established criteria.

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Wet Chemistry QC

314.0	09/22/2017:211692 All preparation quality controls are within established criteria.
351.2	09/29/2017:211714 All preparation quality controls are within established criteria, except: 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.
4500ClG	09/19/2017:214094 All analysis quality controls are within established criteria.
	09/19/2017:211267 All preparation quality controls are within established criteria.
4500CNCE	09/26/2017:214478 All analysis quality controls are within established criteria.
	09/25/2017:211482 All preparation quality controls are within established criteria.
4500NH3G	09/19/2017:214057 All analysis quality controls are within established criteria.
	09/19/2017:211225 All preparation quality controls are within established criteria.
4500-P B	09/25/2017:211523 All preparation quality controls are within established criteria.
4500PE	09/25/2017:214428 All analysis quality controls are within established criteria.
5210B	09/21/2017:214259 All analysis quality controls are within established criteria.
	09/15/2017:211111 All preparation quality controls are within established criteria.
5540C	09/16/2017:214000 All analysis quality controls are within established criteria.
	09/16/2017:211191 All preparation quality controls are within established criteria.
EPA351.2	09/29/2017:214726 All analysis quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2017-10-17

October 17, 2017

Lab ID : SP 1711294-000
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 15, 2017-14:30
Sampled By : Matt P./Ryan S.
Received On : September 15, 2017-15:55
Matrix : Lab. Blank Water

Description : Travel Blank
Project : Malibu WWTP - Baseline GWM

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 504.1												
1,3-Dibromopropane‡	111	70-130		%	1.0107		504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-04:50SBL
DBCP	ND	0.01	0.0057	ug/L	1.0107	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-04:50SBL
EDB	ND	0.02	0.0027	ug/L	1.0107	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-04:50SBL

DQF Flags Definition:
U Constituent results were non-detect.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

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October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-04D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711294-005
Customer ID : 2-25173

Sampled On : September 15, 2017-11:40
Sampled By : Matt P./Ryan S.
Received On : September 15, 2017-15:55
Matrix : Monitoring Well

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
General Mineral												
Total Hardness as CaCO3	856	2.5	0.0065	mg/L	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Calcium	175	1	0.0065	mg/L	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Magnesium	102	1	0.0037	mg/L	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Potassium	3.15	1	0.065	mg/L	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Sodium	204	1	0.27	mg/L	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Total Cations	26.1	0.1	0.0065	meq/L	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Boron	0.866	0.05	0.0050	mg/L	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Copper	ND	10	1.2	ug/L	1	U	200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Iron	42.7	50	5.0	ug/L	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Manganese	9.86	10	0.099	ug/L	1	J	200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Zinc	2.25	20	1.0	ug/L	1	J	200.7	211996	10/05/17 12:30	200.7	215064-IT203	10/06/17-08:25AC
SAR	3.03	0.1	0.0065	--	1		200.7	211996	10/05/17 12:30	200.7	215039-IT203	10/05/17-13:46AC
Total Alkalinity (as CaCO3)	282	10	1.1	mg/L	1		2320B	211229	09/19/17 03:00	2320B	214076-MT201	09/19/17-08:51AMB
Hydroxide as OH	ND	10	1.1	mg/L	1.000	U	2320B	211229	09/19/17 03:00	2320B	214076-MT201	09/19/17-08:51AMB
Carbonate as CO3	ND	10	1.1	mg/L	1.000	U	2320B	211229	09/19/17 03:00	2320B	214076-MT201	09/19/17-08:51AMB
Bicarbonate as HCO3	344	10	1.1	mg/L	1.000		2320B	211229	09/19/17 03:00	2320B	214076-MT201	09/19/17-08:51AMB
Sulfate	554	5	0.015	mg/L	5	b	300.0	211341	09/15/17 16:50	300.0	214206-IC210	09/16/17-02:32MCA
Chloride	250	5	0.0045	mg/L	5		300.0	211341	09/15/17 16:50	300.0	214206-IC210	09/16/17-02:32MCA
Nitrate as NO3	8.05	0.4	0.0032	mg/L	1		300.0	211341	09/15/17 16:50	300.0	214206-IC210	09/15/17-22:37MCA
Nitrite as N	ND	0.1	0.0010	mg/L	1	U	300.0	211341	09/15/17 16:50	300.0	214206-IC210	09/15/17-22:37MCA

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Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
General Mineral												
Nitrate + Nitrite as N	1.80	0.1	0.0032	mg/L	1		300.0	211341	09/15/17 16:50	300.0	214206-IC210	09/15/17-22:37MCA
Fluoride	0.563	0.1	0.0021	mg/L	1		300.0	211341	09/15/17 16:50	300.0	214206-IC210	09/15/17-22:37MCA
Total Anions	24.4	0.1	0.010	meq/L	1.000	b	2320B	211229	09/19/17 03:00	2320B	214076-MT201	09/19/17-08:51AMB
pH	7.28	--	0.010	units	1		4500-H B	211258	09/15/17 11:40	4500HB	214086-CL000	09/15/17-11:40MP/RS
Specific Conductance	2240	1	0.16	umhos/cm	1	b	2510B	211143	09/16/17 09:57	2510B	213955-EC205	09/16/17-12:33JMG
Total Dissolved Solids	1600	40	5.8	mg/L	1		2540CE	211250	09/19/17 11:08	2540C	214139-WT219	09/20/17-10:55JMG
MBAS (foaming agents)	0.0267	0.1	0.017	mg/L	1	J	5540C	211191	09/16/17 17:30	5540C	214000-UV208	09/16/17-19:00AMM
Aggressiveness Index	12.4	1	0.010	--	1		4500-H B	211258	09/15/17 11:40	4500HB	214086-CL000	09/15/17-11:40MP/RS
Langelier Index (20°C)	0.4	1	0.010	--	1		4500-H B	211258	09/15/17 11:40	4500HB	214086-CL000	09/15/17-11:40MP/RS
Nitrate Nitrogen	1.80	0.1	0.00080	mg/L	1		300.0	211341	09/15/17 16:50	300.0	214206-IC210	09/15/17-22:37MCA
Metals, Total												
Aluminum	0.0151	0.01	0.000050	mg/L	1	l	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Antimony	0.000404	0.001	0.000044	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Arsenic	0.00141	0.002	0.000047	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Barium	0.0423	0.0002	0.000026	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Beryllium	ND	0.0002	0.000043	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Cadmium	0.000176	0.0002	0.000031	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Chromium	0.000553	0.001	0.000066	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Copper	0.00207	0.001	0.000071	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Lead	0.000219	0.0002	0.000013	mg/L	1		3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Mercury	0.00000329	0.00001	.0000021	mg/L	1	J	245.1	211748	09/29/17 07:00	245.1	214696-HG204	09/29/17-13:42AC
Nickel	0.00444	0.001	0.000040	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-18:50AC
Selenium	0.00254	0.002	0.00017	mg/L	1		3010	211156	09/18/17 03:00	200.8	214239-IX202	09/20/17-18:50AC
Silver	0.0000430	0.00025	0.000022	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Thallium	ND	0.0002	0.000018	mg/L	1	U	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Chromium III	0.000267	0.001	0.000066	mg/L	1	J	3010	211156	09/18/17 03:00	200.8	214164-IX202	09/19/17-17:12AC
Wet Chemistry												
BOD	1.4	2	0.19	mg/L	1	J	5210B	211111	09/15/17 16:33	5210B	214259-O2205	09/21/17-13:05kmm
Chlorine, Total	ND	0.1	0.017	mg/L	1	UT	4500ClG	211267	09/19/17 13:53	4500ClG	214094-UV205	09/19/17-13:59AMM
Chromium VI	0.286	0.1	0.012	ug/L	1		218.6	211232	09/18/17 14:30	218.6	214067-IC209	09/18/17-19:52JDD

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
Wet Chemistry												
Color	<5.00	5	0.0	units	1	U	2120B	211145	09/16/17 07:50	2120B	213960-JMG	09/16/17-08:00jmg
Cyanide, Total	ND	0.01	0.0010	mg/L	1	U	4500CNCE	211482	09/25/17 10:50	4500CNCE	214478-UV205	09/26/17-15:36AMM
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ul	4500NH3G	211225	09/19/17 03:00	4500NH3G	214057-FI207	09/19/17-07:01AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	211225	09/19/17 03:00	4500NH3G	214057-FI207	09/19/17-07:01AMB
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ul	351.2	211714	09/29/17 06:32	EPA351.2	214726-FI206	09/29/17-11:02AMB
Nitrogen, Total as Nitrogen	1.80	0.5	0.19	mg/L	1	l	351.2	211714	09/29/17 06:32	EPA351.2	214726-FI206	09/29/17-11:02AMB
Nitrate + Nitrite as N	1.80	0.1	0.0032	mg/L	1		300.0	211341	09/15/17 16:50	300.0	214206-IC210	09/15/17-22:37MCA
Kjeldahl Nitrogen	ND	0.5	0.19	mg/L	1	Ul	351.2	211714	09/29/17 06:32	EPA351.2	214726-FI206	09/29/17-11:02AMB
Odor	ND	1	0.0	TON	1	U	2150B	211117	09/16/17 05:00	2150B	213949-AMB	09/16/17-05:34AMB
Oil and Grease	ND	3.3	1.5	mg/L	1.087	U	1664A	211483	09/25/17 10:40	1664A	214468-WT215	09/26/17-13:03AMM
Phosphorus, Total	0.123	0.1	0.020	mg/L	1		4500-P B	211523	09/25/17 15:30	4500PE	214428-UV205	09/25/17-17:16SJN
Solids, Total Suspended (TSS)	0.851	1.1	0.49	mg/L	1.0638	J	2540D	211390	09/21/17 17:00	2540D	214231-WT215	09/22/17-10:40jba
Turbidity	0.181	0.2	0.048	NTU	1		2130B	211139	09/16/17 05:00	2130B	213948-TR203	09/16/17-05:29AMB
Perchlorate	ND	2	0.29	ug/L	1	U	314.0	211692	09/22/17 14:15	314.0	214659-IC207	09/23/17-02:25MCA

DQF Flags Definition:

b	The Blank was detected above method MDL for constituent but less than the PQL
l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.
T	Exceeded method-specific holding time.

ND=Non-Detected. PQL=Practical Quantitation Limit.

October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
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Ventura, CA 93003

Description : MCWP-04D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711294-005
Customer ID : 2-25173

Sampled On : September 15, 2017-11:40
Sampled By : Matt P./Ryan S.
Received On : September 15, 2017-15:55
Matrix : Monitoring Well

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 504.1												
1,3-Dibromopropane‡	105	70-130		%	1.0062		504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-05:15SBL
DBCP	ND	0.01	0.0057	ug/L	1.0062	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-05:15SBL
EDB	ND	0.02	0.0027	ug/L	1.0062	U	504	211319	09/20/17 15:02	504.1	214159-GC216	09/22/17-05:15SBL
EPA 505												
Tetrachloro-m-xylene‡	97.7	70-130		%	1		505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Alachlor	ND	0.2	0.13	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Aldrin	ND	0.01	0.0040	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Chlordane	ND	0.1	0.041	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Dieldrin	ND	0.01	0.0024	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Endrin	ND	0.01	0.0054	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Heptachlor	ND	0.01	0.0026	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Heptachlor Epoxide	ND	0.01	0.0046	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Hexachlorobenzene	ND	0.01	0.0031	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Hexachlorocyclopentadiene	ND	0.1	0.027	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Lindane (Gamma BHC)	ND	0.05	0.0049	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Methoxychlor	ND	0.1	0.0098	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
Toxaphene	ND	0.5	0.11	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
PCB 1016	ND	0.5	0.13	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
PCB 1221	ND	0.5	0.067	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
PCB 1232	ND	0.5	0.073	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL

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Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 505												
PCB 1242	ND	0.5	0.14	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
PCB 1248	ND	0.5	0.15	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
PCB 1254	ND	0.5	0.026	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
PCB 1260	ND	0.5	0.12	ug/L	1	U	505	211318	09/20/17 12:20	505	214160-GC215	09/21/17-00:40SBL
EPA 507												
Triphenylphosphate‡	73.7	70-130		%	0.93458		507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Alachlor	ND	0.93	0.16	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Atrazine	ND	0.93	0.14	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Bromacil	ND	1.9	0.12	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Butachlor	ND	0.93	0.21	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Diazinon	ND	1.9	0.18	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Dimethoate	ND	1.9	0.089	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Metolachlor	ND	0.93	0.41	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Metribuzin	ND	0.47	0.24	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Molinate	ND	1.9	0.13	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Prometryne	ND	1.9	0.095	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Propachlor	ND	0.93	0.12	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Simazine	ND	0.93	0.16	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Thiobencarb	ND	0.93	0.15	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
Cyanazine	ND	0.93	0.11	ug/L	0.93458	U	507	211540	09/26/17 13:30	507	214644-GC218	09/29/17-03:14SG
EPA 515												
2,4-DCAA‡	98.6	70-130		%	1		515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
Bentazon	ND	2	0.45	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
2,4-D	ND	2	0.90	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
Dalapon	ND	10	3.5	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
Dicamba	ND	1	0.29	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
Dinoseb	ND	1	0.49	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
Pentachlorophenol	ND	0.2	0.10	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
Picloram	ND	1	0.18	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
2,4,5-TP (Silvex)	ND	1	0.32	ug/L	1	Ul	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 515												
2,4,5-T	ND	1	0.42	ug/L	1	U	515.3	211389	09/21/17 11:36	515.3	214317-GC215	09/25/17-21:52SG
EPA 524.2												
4-Bromofluorobenzene‡	90.6	70-130		%	1		524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,2-Dichlorobenzene-d4‡	93.8	70-130		%	1		524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Benzene	ND	0.5	0.081	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Bromobenzene	ND	0.5	0.041	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Bromochloromethane	ND	0.5	0.16	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Bromodichloromethane	ND	0.5	0.099	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Bromoform	ND	0.5	0.12	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Bromomethane	ND	0.5	0.14	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
n-Butylbenzene	ND	0.5	0.061	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
sec-Butylbenzene	ND	0.5	0.043	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
tert-Butylbenzene	ND	0.5	0.044	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Carbon Tetrachloride	ND	0.5	0.069	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Chlorobenzene	ND	0.5	0.050	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Chloroethane	ND	0.5	0.14	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Chloroform	ND	0.5	0.070	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Chloromethane	ND	0.5	0.13	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
2-Chlorotoluene	ND	0.5	0.070	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
4-Chlorotoluene	ND	0.5	0.078	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Dibromochloromethane	ND	0.5	0.095	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Dibromomethane	ND	0.5	0.10	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,2-Dichlorobenzene	ND	0.5	0.047	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,3-Dichlorobenzene	ND	0.5	0.044	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,4-Dichlorobenzene	ND	0.5	0.021	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Dichlorodifluoromethane	ND	0.5	0.14	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,1-Dichloroethane	ND	0.5	0.063	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,2-Dichloroethane	ND	0.5	0.11	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,1-Dichloroethylene	ND	0.5	0.080	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
cis-1,2-Dichloroethylene	ND	0.5	0.064	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
trans-1,2-Dichloroethylene	ND	0.5	0.075	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,2-Dichloropropane	ND	0.5	0.052	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,3-Dichloropropane	ND	0.5	0.040	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Dichloromethane	ND	0.5	0.062	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
2,2-Dichloropropane	ND	0.5	0.13	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,1-Dichloropropene	ND	0.5	0.084	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,3-Dichloropropene (Total)	ND	---	---	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
cis-1,3-Dichloropropene	ND	0.5	0.039	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
trans-1,3-Dichloropropene	ND	0.5	0.11	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Di-isopropyl ether (DIPE)	ND	2	0.15	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Ethyl Benzene	ND	0.5	0.041	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Ethyl tert-Butyl Ether (ETBE)	ND	3	0.076	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Hexachlorobutadiene	ND	0.5	0.077	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Isopropylbenzene	ND	0.5	0.051	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
p-Isopropyltoluene	ND	0.5	0.042	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.091	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Naphthalene	ND	0.5	0.070	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
n-Propylbenzene	ND	0.5	0.076	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Styrene	ND	0.5	0.040	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Tert-amyl-methyl Ether (TAME)	ND	3	0.067	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,1,1,2-Tetrachloroethane	ND	0.5	0.072	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.11	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Tetrachloroethylene	ND	0.5	0.098	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Toluene	ND	0.5	0.055	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,2,3-Trichlorobenzene	ND	0.5	0.094	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,2,4-Trichlorobenzene	ND	0.5	0.068	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,1,1-Trichloroethane	ND	0.5	0.041	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,1,2-Trichloroethane	ND	0.5	0.12	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Trichloroethylene	ND	0.5	0.060	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Trichlorofluoromethane	ND	0.5	0.40	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 524.2												
1,1,2-Trichlorotrifluoroethane	ND	0.5	0.077	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,2,4-Trimethylbenzene	ND	0.5	0.054	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
1,3,5-Trimethylbenzene	ND	0.5	0.048	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Vinyl Chloride	ND	0.5	0.098	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Xylenes (Total)	ND	---	---	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Xylenes m,p	ND	0.5	0.087	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Xylenes o	ND	0.5	0.080	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
Total Trihalomethanes	ND	---	---	ug/L	1	U	524.2	212151	09/28/17 08:00	524.2	215230-GM215	09/28/17-11:30VRG
EPA 531.1												
Aldicarb	ND	3	0.15	ug/L	1	U	531.1	211520	09/25/17 15:16	531.1	214426-LC204	09/25/17-21:41SG
Aldicarb Sulfone	ND	2	0.31	ug/L	1	U	531.1	211520	09/25/17 15:16	531.1	214426-LC204	09/25/17-21:41SG
Aldicarb Sulfoxide	ND	3	0.68	ug/L	1	U	531.1	211520	09/25/17 15:16	531.1	214426-LC204	09/25/17-21:41SG
Carbaryl	ND	5	0.36	ug/L	1	U	531.1	211520	09/25/17 15:16	531.1	214426-LC204	09/25/17-21:41SG
Carbofuran	ND	5	1.1	ug/L	1	U	531.1	211520	09/25/17 15:16	531.1	214426-LC204	09/25/17-21:41SG
3-Hydroxycarbofuran	ND	10	1.8	ug/L	1	U	531.1	211520	09/25/17 15:16	531.1	214426-LC204	09/25/17-21:41SG
Methomyl	ND	5	0.56	ug/L	1	U	531.1	211520	09/25/17 15:16	531.1	214426-LC204	09/25/17-21:41SG
Oxamyl	ND	5	1.4	ug/L	1	U	531.1	211520	09/25/17 15:16	531.1	214426-LC204	09/25/17-21:41SG
EPA 548.1												
Endothall	ND	40	16	ug/L	1	U	548.1	211274	09/19/17 15:28	548.1	214244-GC220	09/22/17-03:03SG
EPA 549												
Diquat	ND	2	0.12	ug/L	1	U	549	211268	09/19/17 14:11	549.2	214477-LC204	09/26/17-14:45SG
EPA 552.2												
2,3-Dibromopropionic Acid‡	104	70-130		%	1		552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-06:23SBL
Bromoacetic Acid	ND	1	0.55	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-06:23SBL
Chloroacetic Acid	ND	2	0.28	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-06:23SBL
Dibromoacetic Acid	0.536	1	0.25	ug/L	1	J	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-06:23SBL
Dichloroacetic Acid	ND	1	0.57	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-06:23SBL
Trichloroacetic Acid	ND	1	0.39	ug/L	1	U	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-06:23SBL
Haloacetic acids (five)	ND	---	---	ug/L	1	UJ	552	211426	09/22/17 11:30	552.2	214323-GC219	09/23/17-06:23SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 608												
Tetrachloro-m-xylene‡	30.2	15-143		%	0.93458		608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
Chlordane	ND	1.9	0.025	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
PCB 1016	ND	0.47	0.13	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
PCB 1221	ND	0.47	0.19	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
PCB 1232	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
PCB 1242	ND	0.47	0.20	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
PCB 1248	ND	0.47	0.056	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
PCB 1254	ND	0.47	0.086	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
PCB 1260	ND	0.47	0.11	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
Toxaphene	ND	1.9	0.044	ug/L	0.93458	U	608/8081	211160	09/18/17 13:30	608/8081	214242-GC215	09/22/17-06:51SBL
EPA 624												
4-Bromofluorobenzene‡	104	70-161		%	1	f	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Fluorobenzene‡	99.0	72-139		%	1	f	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Pentafluorobenzene‡	109	59-151		%	1	f	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Acetone	ND	50	7.2	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Acrolein	ND	5	2.5	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Acrylonitrile	ND	2	0.85	ug/L	1	Ufh	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Benzene	ND	0.5	0.13	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Bromodichloromethane	ND	0.5	0.089	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Bromoform	ND	1	0.033	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Bromomethane	ND	0.5	0.25	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Chloromethane	ND	0.5	0.36	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
2-Butanone (MEK)	ND	10	0.83	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Carbon Disulfide	ND	5	0.26	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Carbon Tetrachloride	ND	0.5	0.050	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Chlorobenzene	ND	0.5	0.036	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Chloroethane	ND	0.5	0.37	ug/L	1	Ufl	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
2-Chloroethylvinyl ether	ND	10	0.14	ug/L	1	Ufh	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Chloroform	ND	0.5	0.045	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Dibromochloromethane	ND	0.5	0.078	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 624												
1,2-Dichlorobenzene	ND	0.5	0.026	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,3-Dichlorobenzene	ND	0.5	0.11	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,4-Dichlorobenzene	ND	0.5	0.063	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,1-Dichloroethane	ND	0.5	0.16	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,2-Dichloroethane	ND	0.5	0.044	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,1-Dichloroethylene	ND	0.5	0.49	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
trans-1,2-Dichloroethylene	ND	1	0.12	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,2-Dichloropropane	ND	0.5	0.094	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
cis-1,3-Dichloropropene	ND	0.5	0.10	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
trans-1,3-Dichloropropene	ND	1	0.035	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Ethyl Benzene	ND	0.5	0.046	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
2-Hexanone	ND	5	0.46	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
4-Methyl-2-pentanone (MIBK)	ND	5	0.29	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Methylene Chloride	ND	0.5	0.24	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Methyl tert-Butyl Ether (MTBE)	ND	1	0.081	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Styrene	ND	0.5	0.059	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,1,2,2-Tetrachloroethane	ND	0.5	0.076	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Tetrachloroethylene	ND	0.5	0.056	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Toluene	ND	0.5	0.050	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,1,1-Trichloroethane	ND	0.5	0.053	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
1,1,2-Trichloroethane	ND	0.5	0.033	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Trichloroethylene	ND	0.5	0.050	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Trichlorofluoromethane	ND	1.5	0.15	ug/L	1	Ufl	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Vinyl Acetate	ND	100	0.15	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Vinyl Chloride	ND	0.5	0.17	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Xylenes m,p	ND	0.5	0.084	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Xylenes o	ND	0.5	0.062	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG
Xylenes	ND	---	---	ug/L	1	Uf	624	211857	09/19/17 08:00	624	214843-GM214	09/19/17-17:38VRG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
2-Fluorobiphenyl‡	51.9	29-98		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2-Fluorophenol‡	65.6	23-105		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Nitrobenzene-d5‡	54.1	23-104		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Phenol-d6‡	64.8	26-102		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
p-Terphenyl-d14‡	50.8	29-93		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2,4,6-Tribromophenol‡	55.5	34-116		%	0.93023		625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Acenaphthene	ND	0.93	0.50	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Acenaphthylene	ND	0.93	0.39	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Anthracene	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Benzidine	ND	9.3	1.8	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Benzo(a)anthracene	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Benzo(a)pyrene	ND	0.93	0.40	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Benzo(b)fluoranthene	ND	0.93	0.37	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Benzo(g,h,i)perylene	ND	0.93	0.40	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Benzo(k)fluoranthene	ND	0.93	0.50	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
bis(2-Chloroethoxy)methane	ND	0.93	0.56	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
bis(2-Chloroethyl)ether	ND	0.93	0.52	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
bis(2-Chloroisopropyl)ether	ND	0.93	0.53	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
bis(2-Ethylhexyl)phthalate	ND	1.9	0.41	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
4-Bromophenylphenylether	ND	0.93	0.46	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Butylbenzylphthalate	ND	1.9	0.29	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
4-Chloro-3-methylphenol	ND	1.9	0.86	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2-Chloronaphthalene	ND	0.93	0.63	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2-Chlorophenol	ND	1.9	1.0	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
4-Chlorophenylphenylether	ND	0.93	0.62	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Chrysene	ND	0.93	0.51	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Dibenzo(a,h)anthracene	ND	0.93	0.37	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
1,2-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
1,3-Dichlorobenzene	ND	0.93	0.45	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
1,4-Dichlorobenzene	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
3,3'-Dichlorobenzidine	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2,4-Dichlorophenol	ND	1.9	0.79	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Diethylphthalate	ND	0.93	0.34	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2,4-Dimethylphenol	ND	1.9	0.76	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Dimethylphthalate	ND	0.93	0.31	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Di-n-butylphthalate	ND	1.9	0.35	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
4,6-Dinitro-2-methylphenol	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2,4-Dinitrophenol	ND	4.7	0.22	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2,4-Dinitrotoluene	ND	0.93	0.49	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2,6-Dinitrotoluene	ND	0.93	0.55	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Di-n-octylphthalate	ND	0.93	0.31	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
1,2-Diphenylhydrazine	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Fluoranthene	ND	0.93	0.44	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Fluorene	ND	0.93	0.62	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Hexachlorobenzene	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Hexachlorobutadiene	ND	0.93	0.45	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Hexachlorocyclopentadiene	ND	0.93	0.24	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Hexachloroethane	ND	0.93	0.43	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Indeno(1,2,3-c,d)pyrene	ND	0.93	0.38	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Isophorone	ND	0.93	0.41	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Naphthalene	ND	0.93	0.55	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Nitrobenzene	ND	0.93	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2-Nitrophenol	ND	1.9	1.1	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
4-Nitrophenol	ND	1.9	1.1	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
N-Nitrosodimethylamine	ND	1.9	0.47	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
N-Nitrosodi-n-propylamine	ND	0.93	0.53	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
N-Nitrosodiphenylamine	ND	0.93	0.74	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Pentachlorophenol	ND	1.9	0.91	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Phenanthrene	ND	0.93	0.018	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Phenol	ND	0.93	0.88	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation			Sample Analysis		
							Method	ID	Time	Method	ID	Time
EPA 625												
Pyrene	ND	0.93	0.46	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
Pyridine	ND	9.3	0.32	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
1,2,4-Trichlorobenzene	ND	0.93	0.48	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2,4,6-Trichlorophenol	ND	0.93	0.90	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
2,4,5-Trichlorophenol	ND	1.9	1.2	ug/L	0.93023	U	625	211355	09/21/17 13:30	625	214621-GM213	09/27/17-20:20SBL
EPA 625 Pest												
Aldrin	ND	4.7	0.91	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Alpha BHC	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Beta BHC	ND	4.7	1.5	ng/L	0.93458	UL	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Delta BHC	ND	4.7	1.8	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Lindane (Gamma BHC)	ND	4.7	3.7	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
alpha-Chlordane	ND	4.7	1.8	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
gamma-Chlordane	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
o,p - DDD	ND	4.7	0.54	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
o,p - DDE	ND	4.7	0.35	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
o,p - DDT	ND	4.7	0.95	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
p,p'-DDD	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
p,p'-DDE	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
p,p'-DDT	ND	4.7	4.1	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Dieldrin	ND	4.7	1.5	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Endosulfan I	ND	4.7	2.1	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Endosulfan II	ND	4.7	2.1	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Endosulfan Sulfate	ND	4.7	1.2	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Endrin	ND	4.7	1.3	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Endrin Aldehyde	ND	4.7	1.9	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Endrin Ketone	ND	4.7	1.8	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Heptachlor	ND	4.7	1.8	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Heptachlor Epoxide	ND	4.7	0.77	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Methoxychlor	ND	4.7	0.46	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
cis_Nonachlor	ND	47	1.6	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG

Sample Result - Organic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
EPA 625 Pest												
trans-Nonachlor	ND	47	1.2	ng/L	0.93458	U	625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
Tetrachloro-m-xylene‡	71.6	26-90		%	0.93458		625P	211298	09/20/17 13:30	625P	214486-GM210	09/23/17-00:31SG
TOC												
TOC	0.672	0.5	0.15	mg/L	1		5310C	211306	09/20/17 10:39	5310C	214222-TC203	09/20/17-21:32AMM

DQF Flags Definition:

L	The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.
h	The MS/MSD did not meet QC criteria.
l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.
f	MS/MSD QC requirement met by BS/BSD due to limited sample volume.

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate.

October 17, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : MCWP-04D
Project : Malibu WWTP - Baseline GWM

Lab ID : SP 1711294-005
Customer ID : 2-25173

Sampled On : September 15, 2017-11:40
Sampled By : Matt P./Ryan S.
Received On : September 15, 2017-15:55
Matrix : Monitoring Well

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Radio Chemistry											
Gross Alpha	13.8 ± 2.70	1.89	pCi/L	15		900.0	211932	10/04/17 12:20	900.0	215190-GP219	10/06/17-11:30aat
Gross Beta	2.60 ± 1.54	1.79	pCi/L	50	h	900.0	211932	10/04/17 12:20	900.0	215190-GP219	10/06/17-11:30aat
Total Alpha Radium (226)	0.000 ± 0.083	0.363	pCi/L	3		903.0	211575	09/26/17 17:00	903.0	215049-GP215	10/02/17-16:30aat
Tritium	0.000 ± 275	434	pCi/L	20000		906.0	211448	09/23/17 05:40	906.0	214417-LS202	09/24/17-02:03elc
Uranium	3.65 ± 1.33	0.470	pCi/L	20		908.0	212329	10/12/17 16:31	908.0	215693-GP216	10/17/17-15:17AAT
Ra 228	0.104 ± 0.584	0.506	pCi/L	2		Ra - 05	211715	09/30/17 16:00	Ra - 05	215471-GP218	10/10/17-18:50emv

DQF Flags Definition:
h The MS/MSD did not meet QC criteria.

ND=Non-Detected. PQL=Practical Quantitation Limit.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
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9415 W. Goshen Avenue
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CA ELAP Certification No. 2810

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dibromoethane(EDB)	504	09/20/17:211319SBL	Blank	ug/L		ND	<0.02	
			LCS	ug/L	0.2623	106 %	70-130	
			LCS	ug/L	0.2472	102 %	70-130	
			MS	ug/L	0.2527	107 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.2593	110 %	70-130	
			MSRPD	ug/L	0.6086	5.5%	≤30	
			QMDL	ug/L	0.02001	110 %	60-140	
1,3-Dibromopropane	504	09/20/17:211319SBL	Blank	ug/L	0.5987	101 %	70-130	
			LCS	ug/L	0.6157	129 %	70-130	
			LCS	ug/L	0.5803	112 %	70-130	
			MS	ug/L	0.5930	122 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.6086	133 %	70-130	435
			MSRPD	ug/L	0.6086	11.8%	≤30	
			QMDL	ug/L	0.5913	113 %	70-130	
DBCP	504	09/20/17:211319SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.2623	120 %	70-130	
			LCS	ug/L	0.2472	110 %	70-130	
			MS	ug/L	0.2527	73.1 %	70-130	
		(STK1751783-001)	MSD	ug/L	0.2593	128 %	70-130	
			MSRPD	ug/L	0.6086	17.5%	≤30	
			QMDL	ug/L	0.02001	121 %	60-140	
13DBP	504.1	09/22/17:214159SBL	CCV	ug/L	9.975	126 %	70-130	
			CCV	ug/L	7.481	101 %	70-130	
DBCP	504.1	09/22/17:214159SBL	CCV	ug/L	5.000	117 %	70-130	
			CCV	ug/L	2.000	86.0 %	70-130	
EDB	504.1	09/22/17:214159SBL	CCV	ug/L	5.000	101 %	70-130	
			CCV	ug/L	2.000	81.0 %	70-130	
Alachlor	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.2	
			LCS	ug/L	5.865	123 %	84-135	
			BS	ug/L	5.834	108 %	73-137	
			BSD	ug/L	5.910	110 %	73-137	
			BSRPD	ug/L	1.183	2.9%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	150.0	104 %	70-130	
			CCV	ug/L	100.0	108 %	70-130	
Aldrin	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.075	
			LCS	ug/L	0.5865	98.7 %	69-134	
			BS	ug/L	0.5834	99.0 %	21-166	
			BSD	ug/L	0.5910	97.5 %	21-166	
			BSRPD	ug/L	1.183	0.2%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	100 %	70-130	
			CCV	ug/L	10.00	95.1 %	70-130	
Chlordane	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.1	
Dieldrin	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	95.6 %	82-131	
			BS	ug/L	0.5834	92.0 %	66-141	
			BSD	ug/L	0.5910	91.2 %	66-141	
			BSRPD	ug/L	1.183	0.4%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	93.3 %	70-130	
			CCV	ug/L	10.00	95.1 %	70-130	
Endrin	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	92.5 %	83-120	
			BS	ug/L	0.5834	84.5 %	58-134	
			BSD	ug/L	0.5910	84.1 %	58-134	
			BSRPD	ug/L	1.183	0.8%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	87.9 %	70-130	

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FAX: (559)734-8435
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October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Endrin	505	09/21/17:214160SBL	CCV	ug/L	10.00	87.3 %	70-130	
Heptachlor	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	98.3 %	71-131	
			BS	ug/L	0.5834	97.9 %	73-135	
			BSD	ug/L	0.5910	96.6 %	73-135	
			BSRPD	ug/L	1.183	0.0%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	101 %	70-130	
			CCV	ug/L	10.00	93.6 %	70-130	
Heptachlor Epoxide	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	93.6 %	75-129	
			BS	ug/L	0.5834	89.7 %	65-134	
			BSD	ug/L	0.5910	89.5 %	65-134	
			BSRPD	ug/L	1.183	1.0%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	91.5 %	70-130	
			CCV	ug/L	10.00	93.3 %	70-130	
Hexachlorobenzene	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.5865	97.3 %	69-134	
			BS	ug/L	0.5834	91.2 %	71-136	
			BSD	ug/L	0.5910	92.4 %	71-136	
			BSRPD	ug/L	1.183	2.5%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	99.2 %	70-130	
			CCV	ug/L	10.00	91.8 %	70-130	
Hexachlorocyclopentadiene	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.1	
			LCS	ug/L	0.5865	98.7 %	48-144	
			BS	ug/L	0.5834	91.9 %	60-152	
			BSD	ug/L	0.5910	95.9 %	60-152	
			BSRPD	ug/L	1.183	5.7%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	105 %	70-130	
			CCV	ug/L	10.00	93.1 %	70-130	
Lindane	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.05	
			LCS	ug/L	0.5865	126 %	76-131	
			BS	ug/L	0.5834	120 %	72-132	
			BSD	ug/L	0.5910	118 %	72-132	
			BSRPD	ug/L	1.183	0.3%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	15.00	123 %	70-130	
			CCV	ug/L	10.00	121 %	70-130	
Methoxychlor	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.933	95.3 %	73-137	
			BS	ug/L	2.917	88.6 %	59-145	
			BSD	ug/L	2.955	90.1 %	59-145	
			BSRPD	ug/L	1.183	2.9%	≤30	
	505	09/21/17:214160SBL	CCV	ug/L	75.00	88.0 %	70-130	
			CCV	ug/L	50.00	92.5 %	70-130	
PCB 1016/1242 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1242	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	505	09/20/17:211318SBL	Blank	ug/L	1.188	86.1 %	70-130	
			LCS	ug/L	1.174	103 %	70-130	
			BS	ug/L	1.168	101 %	N/A	
			BSD	ug/L	1.183	95.5 %	N/A	

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Tetrachloro-m-xylene	505	09/20/17:211318SBL	BSRPD	ug/L	1.183	4.5%	≤30.0	
	505	09/21/17:214160SBL	CCV	ug/L	20.02	158 %	70-130	362
			CCV	ug/L	10.01	187 %	70-130	362
Toxaphene	505	09/20/17:211318SBL	Blank	ug/L		ND	<0.5	
Alachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	91.8 %	70-130	
			BS	ug/L	2.500	98.4 %	47-147	
			BSD	ug/L	2.500	110 %	47-147	
			BSRPD	ug/L	12.50	0.29	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	90.4 %	80-120	
Atrazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	95.9 %	70-130	
			BS	ug/L	2.500	101 %	52-154	
			BSD	ug/L	2.500	94.5 %	52-154	
			BSRPD	ug/L	12.50	0.17	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	89.0 %	80-120	
Bromacil	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	99.5 %	70-130	
			BS	ug/L	2.500	113 %	38-170	
			BSD	ug/L	2.500	81.6 %	38-170	
			BSRPD	ug/L	12.50	0.79	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
Butachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<0.38	
			LCS	ug/L	2.500	84.2 %	70-130	
			BS	ug/L	2.500	96.3 %	37-150	
			BSD	ug/L	2.500	93.5 %	37-150	
			BSRPD	ug/L	12.50	2.9%	≤53.8	
	507	09/29/17:214644SG	CCV	ug/L	500.0	94.8 %	80-120	
Cyanazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	97.7 %	70-130	
			BS	ug/L	2.500	113 %	41-152	
			BSD	ug/L	2.500	90.5 %	41-152	
			BSRPD	ug/L	12.50	21.9%	≤30	
	507	09/29/17:214644SG	CCV	ug/L	500.0	114 %	80-120	
Diazinon	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	83.7 %	70-130	
			BS	ug/L	2.500	89.1 %	56-128	
			BSD	ug/L	2.500	94.0 %	56-128	
			BSRPD	ug/L	12.50	0.12	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	93.3 %	80-120	
Dimethoate	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	83.1 %	70-130	
			BS	ug/L	2.500	90.8 %	49-168	
			BSD	ug/L	2.500	81.0 %	49-168	
			BSRPD	ug/L	12.50	0.25	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
EPN/Triphenylphosphate	507	09/26/17:211540caa	Blank	ug/L	12.50	75.2 %	70-130	
			LCS	ug/L	12.50	73.0 %	70-130	
			BS	ug/L	12.50	92.2 %	70-130	
			BSD	ug/L	12.50	74.4 %	70-130	
			BSRPD	ug/L	12.50	21.3%	≤30	
Metolachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	94.7 %	70-130	
			BS	ug/L	2.500	101 %	45-154	

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Metolachlor	507	09/26/17:211540caa	BSD	ug/L	2.500	89.5 %	45-154	
			BSRPD	ug/L	12.50	0.28	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	102 %	80-120	
Metribuzin	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	81.6 %	70-130	
			BS	ug/L	2.500	87.3 %	30-169	
			BSD	ug/L	2.500	85.3 %	30-169	
			BSRPD	ug/L	12.50	0.049	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	91.6 %	80-120	
Molinate	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	107 %	70-130	
			BS	ug/L	2.500	113 %	19-191	
			BSD	ug/L	2.500	108 %	19-191	
			BSRPD	ug/L	12.50	0.12	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	84.7 %	80-120	
Prometryne	507	09/26/17:211540caa	Blank	ug/L		ND	<2	
			LCS	ug/L	2.500	91.4 %	70-130	
			BS	ug/L	2.500	99.8 %	44-152	
			BSD	ug/L	2.500	84.0 %	44-152	
			BSRPD	ug/L	12.50	0.39	≤2	
	507	09/29/17:214644SG	CCV	ug/L	500.0	95.2 %	80-120	
Propachlor	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	95.2 %	70-130	
			BS	ug/L	2.500	96.5 %	36-179	
			BSD	ug/L	2.500	98.7 %	36-179	
			BSRPD	ug/L	12.50	0.056	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	88.8 %	80-120	
Simazine	507	09/26/17:211540caa	Blank	ug/L		ND	<0.5	
			LCS	ug/L	2.500	99.7 %	70-130	
			BS	ug/L	2.500	105 %	49-167	
			BSD	ug/L	2.500	89.7 %	49-167	
			BSRPD	ug/L	12.50	0.38	≤0.5	
	507	09/29/17:214644SG	CCV	ug/L	500.0	100 %	80-120	
Thiobencarb	507	09/26/17:211540caa	Blank	ug/L		ND	<1	
			LCS	ug/L	2.500	94.9 %	70-130	
			BS	ug/L	2.500	95.4 %	50-148	
			BSD	ug/L	2.500	81.9 %	50-148	
			BSRPD	ug/L	12.50	0.34	≤1	
	507	09/29/17:214644SG	CCV	ug/L	500.0	85.6 %	80-120	
Triphenylphosphate	507	09/29/17:214644SG	CCV	ug/L	2500	115 %	80-120	
2,4,5-T	515.3	09/25/17:214317SG	CCV	ug/L	40.00	87.9 %	70-130	
			CCV	ug/L	80.00	76.6 %	70-130	
2,4,5-TP (Silvex)	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	75.7 %	70-130	
			MS	ug/L	4.000	67.4 %	70-130	435
		(SP 1711160-002)	MSD	ug/L	4.000	74.8 %	70-130	
			MSRPD	ug/L	20.00	0.30	≤1	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	75.6 %	70-130	
			CCV	ug/L	80.00	73.8 %	70-130	
2,4,5-Trichlorophenoxyacetic A	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	96.6 %	70-130	
			MS	ug/L	4.000	78.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	86.6 %	70-130	
			MSRPD	ug/L	20.00	0.35	≤1	

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,4-D	515.3	09/21/17:211389SG	Blank	ug/L		ND	<2	
			LCS	ug/L	8.000	120 %	70-130	
			MS	ug/L	8.000	81.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	88.7 %	70-130	
			MSRPD	ug/L	20.00	0.62	≤2	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	116 %	70-130	
			CCV	ug/L	160.0	73.9 %	70-130	
2,4-DCAA	515.3	09/21/17:211389SG	Blank	ug/L	20.00	87.7 %	70-130	
			LCS	ug/L	20.00	97.2 %	70-130	
			MS	ug/L	20.00	75.6 %	N/A	
		(SP 1711160-002)	MSD	ug/L	20.00	81.5 %	N/A	
			MSRPD	ug/L	20.00	7.6%	≤30.	
	515.3	09/25/17:214317SG	CCV	ug/L	200.0	86.8 %	70-130	
			CCV	ug/L	400.0	75.1 %	70-130	
Bentazon	515.3	09/21/17:211389SG	Blank	ug/L		ND	<2	
			LCS	ug/L	8.000	82.9 %	70-130	
			MS	ug/L	8.000	71.9 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	77.8 %	70-130	
			MSRPD	ug/L	20.00	0.47	≤2	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	87.0 %	70-130	
			CCV	ug/L	160.0	81.4 %	70-130	
Dalapon	515.3	09/21/17:211389SG	Blank	ug/L		ND	<10	
			LCS	ug/L	52.00	85.8 %	70-130	
			MS	ug/L	52.00	87.4 %	70-130	
		(SP 1711160-002)	MSD	ug/L	52.00	101 %	70-130	
			MSRPD	ug/L	20.00	7.0	≤10	
	515.3	09/25/17:214317SG	CCV	ug/L	520.0	98.4 %	70-130	
			CCV	ug/L	1040	90.9 %	70-130	
Dicamba	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	92.2 %	70-130	
			MS	ug/L	4.000	88.0 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	97.1 %	70-130	
			MSRPD	ug/L	20.00	0.36	≤1	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	80.0 %	70-130	
			CCV	ug/L	80.00	88.5 %	70-130	
Dinoseb	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	8.000	109 %	70-130	
			MS	ug/L	8.000	83.2 %	70-130	
		(SP 1711160-002)	MSD	ug/L	8.000	91.1 %	70-130	
			MSRPD	ug/L	20.00	9.1%	≤30.0	
	515.3	09/25/17:214317SG	CCV	ug/L	80.00	90.4 %	70-130	
			CCV	ug/L	160.0	80.8 %	70-130	
Pentachlorophenol	515.3	09/21/17:211389SG	Blank	ug/L		ND	<0.2	
			LCS	ug/L	4.000	82.9 %	70-130	
			MS	ug/L	4.000	71.5 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	78.7 %	70-130	
			MSRPD	ug/L	20.00	9.6%	≤30.0	
	515.3	09/25/17:214317SG	CCV	ug/L	40.00	81.2 %	70-130	
			CCV	ug/L	80.00	75.0 %	70-130	
Picloram	515.3	09/21/17:211389SG	Blank	ug/L		ND	<1	
			LCS	ug/L	4.000	121 %	70-130	
			MS	ug/L	4.000	96.5 %	70-130	
		(SP 1711160-002)	MSD	ug/L	4.000	108 %	70-130	
			MSRPD	ug/L	20.00	0.47	≤1	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Picloram	515.3	09/25/17:214317SG	CCV	ug/L	40.00	112 %	70-130	
			CCV	ug/L	80.00	76.7 %	70-130	
1,1,1,2-Tetrachloroethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	12-178	
		(SP 1711849-001)	MSD	ug/L	10.00	130 %	12-178	
			MSRPD	ug/L	10.00	3.5%	≤39	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	98.7 %	70-130	
1,1,1-Trichloroethane(TCA)	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	139 %	9-176	
		(SP 1711849-001)	MSD	ug/L	10.00	142 %	9-176	
			MSRPD	ug/L	10.00	2.4%	≤33	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	100 %	70-130	
1,1,2,2-Tetrachloroethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	144 %	23-180	
		(SP 1711849-001)	MSD	ug/L	10.00	142 %	23-180	
			MSRPD	ug/L	10.00	0.8%	≤34	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	123 %	70-130	
1,1,2-Trichloroethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	130 %	25-173	
		(SP 1711849-001)	MSD	ug/L	10.00	136 %	25-173	
			MSRPD	ug/L	10.00	4.9%	≤29	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	113 %	70-130	
1,1-Dichloroethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	15-161	
		(SP 1711849-001)	MSD	ug/L	10.00	133 %	15-161	
			MSRPD	ug/L	10.00	3.2%	≤36	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	100 %	70-130	
1,1-Dichloroethylene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	101 %	0-162	
		(SP 1711849-001)	MSD	ug/L	10.00	109 %	0-162	
			MSRPD	ug/L	10.00	7.0%	≤33	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	76.8 %	70-130	
1,1-Dichloropropene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	0-171	
		(SP 1711849-001)	MSD	ug/L	10.00	125 %	0-171	
			MSRPD	ug/L	10.00	5.9%	≤31	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	84.7 %	70-130	
1,2,3-Trichlorobenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	14-181	
		(SP 1711849-001)	MSD	ug/L	10.00	124 %	14-181	
			MSRPD	ug/L	10.00	7.7%	≤34	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	101 %	70-130	
1,2,4-Trichlorobenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	95.5 %	10-180	
		(SP 1711849-001)	MSD	ug/L	10.00	103 %	10-180	
			MSRPD	ug/L	10.00	7.9%	≤32	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	82.9 %	70-130	
1,2,4-Trimethylbenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	2-192	
		(SP 1711849-001)	MSD	ug/L	10.00	141 %	2-192	
			MSRPD	ug/L	10.00	4.2%	≤39	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	105 %	70-130	
1,2-Dichlorobenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	130 %	13-191	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichlorobenzene	524.2	(SP 1711849-001)	MSD	ug/L	10.00	135 %	13-191	
			MSRPD	ug/L	10.00	3.5%	≤35	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	107 %	70-130	
1,2-Dichlorobenzene-d4	524.2	09/28/17:212151VRG	Blank	ug/L	10.00	95.2 %	70-130	
			MS	ug/L	10.00	111 %	70-130	
		(SP 1711849-001)	MSD	ug/L	10.00	114 %	70-130	
			MSRPD	ug/L	10.00	1.9%	≤20	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	113 %	70-130	
1,2-Dichloroethane (EDC)	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	18-162	
		(SP 1711849-001)	MSD	ug/L	10.00	136 %	18-162	
			MSRPD	ug/L	10.00	2.5%	≤33	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	107 %	70-130	
1,2-Dichloropropane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	10-163	
		(SP 1711849-001)	MSD	ug/L	10.00	137 %	10-163	
			MSRPD	ug/L	10.00	5.9%	≤34	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	101 %	70-130	
1,3,5-Trimethylbenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	133 %	0-210	
		(SP 1711849-001)	MSD	ug/L	10.00	137 %	0-210	
			MSRPD	ug/L	10.00	3.4%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	104 %	70-130	
1,3-Dichlorobenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	17-182	
		(SP 1711849-001)	MSD	ug/L	10.00	135 %	17-182	
			MSRPD	ug/L	10.00	3.0%	≤39	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	104 %	70-130	
1,3-Dichloropropane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	0-178	
		(SP 1711849-001)	MSD	ug/L	10.00	138 %	0-178	
			MSRPD	ug/L	10.00	5.2%	≤29	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	112 %	70-130	
1,4-Dichlorobenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	137 %	19-183	
		(SP 1711849-001)	MSD	ug/L	10.00	142 %	19-183	
			MSRPD	ug/L	10.00	4.0%	≤37	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	110 %	70-130	
2,2-Dichloropropane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	0-288	
		(SP 1711849-001)	MSD	ug/L	10.00	134 %	0-288	
			MSRPD	ug/L	10.00	6.6%	≤33	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	84.1 %	70-130	
2-Chlorotoluene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	17-180	
		(SP 1711849-001)	MSD	ug/L	10.00	139 %	17-180	
			MSRPD	ug/L	10.00	2.9%	≤38	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	104 %	70-130	
4-Bromofluorobenzene	524.2	09/28/17:212151VRG	Blank	ug/L	10.00	93.1 %	70-130	
			MS	ug/L	10.00	112 %	70-130	
		(SP 1711849-001)	MSD	ug/L	10.00	116 %	70-130	
			MSRPD	ug/L	10.00	2.9%	≤30	
4-Bromofluorobenzene (BFB)	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	112 %	70-130	
4-Chlorotoluene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
4-Chlorotoluene	524.2		MS	ug/L	10.00	137 %	11-177	
		(SP 1711849-001)	MSD	ug/L	10.00	142 %	11-177	
			MSRPD	ug/L	10.00	4.1%	≤41	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	106 %	70-130	
Benzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	12-158	
		(SP 1711849-001)	MSD	ug/L	10.00	132 %	12-158	
			MSRPD	ug/L	10.00	5.2%	≤36	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	96.6 %	70-130	
Bromobenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	23-177	
		(SP 1711849-001)	MSD	ug/L	10.00	125 %	23-177	
			MSRPD	ug/L	10.00	4.5%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	96.9 %	70-130	
Bromochloromethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	4-186	
		(SP 1711849-001)	MSD	ug/L	10.00	130 %	4-186	
			MSRPD	ug/L	10.00	6.0%	≤30	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	103 %	70-130	
Bromodichloromethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	146 %	11-164	
		(SP 1711849-001)	MSD	ug/L	10.00	152 %	11-164	
			MSRPD	ug/L	10.00	4.2%	≤34	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	116 %	70-130	
Bromoform	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	0-235	
		(SP 1711849-001)	MSD	ug/L	10.00	135 %	0-235	
			MSRPD	ug/L	10.00	2.6%	≤39	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	107 %	70-130	
Bromomethane (Methyl Bromide)	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	46.5 %	0-196	
		(SP 1711849-001)	MSD	ug/L	40.00	57.2 %	0-196	
			MSRPD	ug/L	10.00	20.5%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	122 %	70-130	
Carbon Tetrachloride	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	137 %	5-175	
		(SP 1711849-001)	MSD	ug/L	10.00	136 %	5-175	
			MSRPD	ug/L	10.00	0.6%	≤32	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	101 %	70-130	
Chlorobenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	14-175	
		(SP 1711849-001)	MSD	ug/L	10.00	127 %	14-175	
			MSRPD	ug/L	10.00	7.2%	≤35	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	91.9 %	70-130	
Chloroethane (Ethyl Chloride)	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	49.5 %	0-184	
		(SP 1711849-001)	MSD	ug/L	40.00	64.7 %	0-184	
			MSRPD	ug/L	10.00	26.5%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	137 %	70-130	360
Chloroform	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	142 %	15-163	
		(SP 1711849-001)	MSD	ug/L	10.00	145 %	15-163	
			MSRPD	ug/L	10.00	1.7%	≤36	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	109 %	70-130	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Chloromethane(Methyl Chloride)	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	38.4 %	0-224	
		(SP 1711849-001)	MSD	ug/L	40.00	49.3 %	0-224	
			MSRPD	ug/L	10.00	24.9%	≤39	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	105 %	70-130	
cis-1,2-Dichloroethylene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	16-172	
		(SP 1711849-001)	MSD	ug/L	10.00	129 %	16-172	
			MSRPD	ug/L	10.00	3.5%	≤34	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	95.4 %	70-130	
cis-1,3-Dichloropropene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.550	119 %	5-158	
		(SP 1711849-001)	MSD	ug/L	9.550	127 %	5-158	
			MSRPD	ug/L	10.00	6.6%	≤38	
	524.2	09/28/17:215230VRG	CCV	ug/L	9.550	98.1 %	70-130	
Dibromochloromethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	1-180	
		(SP 1711849-001)	MSD	ug/L	10.00	131 %	1-180	
			MSRPD	ug/L	10.00	3.8%	≤34	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	100 %	70-130	
Dibromomethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	11-168	
		(SP 1711849-001)	MSD	ug/L	10.00	133 %	11-168	
			MSRPD	ug/L	10.00	6.6%	≤28	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	108 %	70-130	
Dichlorodifluoromethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	31.1 %	0-334	
		(SP 1711849-001)	MSD	ug/L	40.00	40.5 %	0-334	
			MSRPD	ug/L	10.00	26.2%	≤39	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	89.9 %	70-130	
Dichloromethane	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	20-157	
		(SP 1711849-001)	MSD	ug/L	10.00	124 %	20-157	
			MSRPD	ug/L	10.00	0.7%	≤36	
Ethyl tert-Butyl Ether	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	119 %	11-165	
		(SP 1711849-001)	MSD	ug/L	10.00	123 %	11-165	
			MSRPD	ug/L	10.00	0.40	≤3	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	94.3 %	70-130	
Ethylbenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	9-174	
		(SP 1711849-001)	MSD	ug/L	10.00	124 %	9-174	
			MSRPD	ug/L	10.00	7.6%	≤37	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	86.4 %	70-130	
Freon-11	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	43.2 %	0-232	
		(SP 1711849-001)	MSD	ug/L	40.00	54.1 %	0-232	
			MSRPD	ug/L	10.00	22.4%	≤35	
Hexachlorobutadiene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	115 %	14-200	
		(SP 1711849-001)	MSD	ug/L	10.00	129 %	14-200	
			MSRPD	ug/L	10.00	11.6%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	95.4 %	70-130	
Isopropyl Ether	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<3	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Isopropyl Ether	524.2		MS	ug/L	10.00	139 %	8-165	
		(SP 1711849-001)	MSD	ug/L	10.00	146 %	8-165	
			MSRPD	ug/L	10.00	0.66	≤3	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	110 %	70-130	
Isopropylbenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	4-159	
		(SP 1711849-001)	MSD	ug/L	10.00	118 %	4-159	
			MSRPD	ug/L	10.00	6.7%	≤37	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	83.6 %	70-130	
Methyl tert-Butyl Ether	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	86.2 %	70-130	
Methyl tert-Butyl Ether (MTBE)	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	10.00	104 %	11-168	
		(SP 1711849-001)	MSD	ug/L	10.00	106 %	11-168	
			MSRPD	ug/L	10.00	2.0%	≤29	
Methylene Chloride	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	100 %	70-130	
Naphthalene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.0 %	0-189	
		(SP 1711849-001)	MSD	ug/L	10.00	104 %	0-189	
			MSRPD	ug/L	10.00	6.3%	≤32	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	91.6 %	70-130	
n-Butylbenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	4-186	
		(SP 1711849-001)	MSD	ug/L	10.00	137 %	4-186	
			MSRPD	ug/L	10.00	5.9%	≤37	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	101 %	70-130	
n-Propylbenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	129 %	0-174	
		(SP 1711849-001)	MSD	ug/L	10.00	137 %	0-174	
			MSRPD	ug/L	10.00	5.4%	≤37	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	97.7 %	70-130	
p-Isopropyltoluene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	0-193	
		(SP 1711849-001)	MSD	ug/L	10.00	134 %	0-193	
			MSRPD	ug/L	10.00	5.6%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	97.5 %	70-130	
sec-Butylbenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	0-177	
		(SP 1711849-001)	MSD	ug/L	10.00	136 %	0-177	
			MSRPD	ug/L	10.00	6.5%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	97.3 %	70-130	
Styrene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	0-198	
		(SP 1711849-001)	MSD	ug/L	10.00	140 %	0-198	
			MSRPD	ug/L	10.00	6.5%	≤37	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	100 %	70-130	
TAME	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<3	
			MS	ug/L	10.00	115 %	15-162	
		(SP 1711849-001)	MSD	ug/L	10.00	122 %	15-162	
			MSRPD	ug/L	10.00	0.64	≤3	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	94.0 %	70-130	
tert-Butylbenzene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	117 %	9-179	
		(SP 1711849-001)	MSD	ug/L	10.00	124 %	9-179	
			MSRPD	ug/L	10.00	5.6%	≤38	

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Organic								
tert-Butylbenzene	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	88.6 %	30-130	
Tetrachloroethylene (PCE)	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	126 %	14-186	
		(SP 1711849-001)	MSD	ug/L	10.00	131 %	14-186	
			MSRPD	ug/L	10.00	4.4%	≤33	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	94.1 %	70-130	
Toluene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	3-174	
		(SP 1711849-001)	MSD	ug/L	10.00	131 %	3-174	
			MSRPD	ug/L	10.00	4.8%	≤37	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	94.3 %	30-130	
trans-1,2-Dichloroethylene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	5-165	
		(SP 1711849-001)	MSD	ug/L	10.00	117 %	5-165	
			MSRPD	ug/L	10.00	3.3%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	85.8 %	70-130	
trans-1,3-Dichloropropene	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	9.200	125 %	0-169	
		(SP 1711849-001)	MSD	ug/L	9.200	133 %	0-169	
			MSRPD	ug/L	10.00	6.3%	≤31	
	524.2	09/28/17:215230VRG	CCV	ug/L	9.200	111 %	70-130	
Trichloroethylene (TCE)	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	11-167	
		(SP 1711849-001)	MSD	ug/L	10.00	129 %	11-167	
			MSRPD	ug/L	10.00	5.4%	≤35	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	92.9 %	70-130	
Trichlorofluoromethane F-11	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	107 %	70-130	
Trichlorotrifluoroethane F-113	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	0-183	
		(SP 1711849-001)	MSD	ug/L	10.00	122 %	0-183	
			MSRPD	ug/L	10.00	2.3%	≤33	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	92.1 %	70-130	
Vinyl Chloride	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	45.9 %	0-208	
		(SP 1711849-001)	MSD	ug/L	40.00	60.9 %	0-208	
			MSRPD	ug/L	10.00	28.1%	≤40	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	124 %	30-130	
Xylenes m,p	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	20.00	130 %	0-193	
		(SP 1711849-001)	MSD	ug/L	20.00	138 %	0-193	
			MSRPD	ug/L	10.00	6.1%	≤37	
	524.2	09/28/17:215230VRG	CCV	ug/L	20.00	98.4 %	70-130	
Xylenes o	524.2	09/28/17:212151VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	120 %	0-188	
		(SP 1711849-001)	MSD	ug/L	10.00	127 %	0-188	
			MSRPD	ug/L	10.00	5.4%	≤36	
	524.2	09/28/17:215230VRG	CCV	ug/L	10.00	90.8 %	70-130	
3-Hydroxycarbofuran	531.1	09/25/17:211520SG	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	116 %	80-120	
			MS	ug/L	20.00	102 %	65-135	
		(SP 1711294-005)	MSD	ug/L	20.00	108 %	65-135	
			MSRPD	ug/L	20.00	6.2%	≤16.8	
	531.1	09/25/17:214426SG	CCV	ug/L	10.00	87.6 %	80-120	
			CCV	ug/L	20.00	94.8 %	80-120	

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Quality Control - Organic

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Organic								
Aldicarb	531.1	09/25/17:211520SG	Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	115 %	80-120	
			MS	ug/L	20.00	107 %	65-135	
		(SP 1711294-005)	MSD	ug/L	20.00	118 %	65-135	
			MSRPD	ug/L	20.00	9.5%	≤11.2	
	531.1	09/25/17:214426SG	CCV	ug/L	10.00	89.6 %	80-120	
			CCV	ug/L	20.00	115 %	80-120	
Aldicarb Sulfone	531.1	09/25/17:214426SG	CCV	ug/L	10.00	109 %	80-120	
			CCV	ug/L	20.00	116 %	80-120	
Aldicarb Sulfone/Sulfoxide	531.1	09/25/17:211520SG	Blank	ug/L		ND	<2	
			Blank	ug/L		ND	<3	
			LCS	ug/L	20.00	98.9 %	80-120	
			LCS	ug/L	20.00	98.8 %	80-120	
			MS	ug/L	20.00	113 %	65-135	
			MS	ug/L	20.00	111 %	65-135	
		(SP 1711294-005)	MSD	ug/L	20.00	120 %	65-135	
		(SP 1711294-005)	MSD	ug/L	20.00	119 %	65-135	
			MSRPD	ug/L	20.00	5.0%	≤13.8	
			MSRPD	ug/L	20.00	7.8%	≤7.28	435
Aldicarb Sulfoxide	531.1	09/25/17:214426SG	CCV	ug/L	10.00	107 %	80-120	
			CCV	ug/L	20.00	116 %	80-120	
Carbaryl	531.1	09/25/17:214426SG	CCV	ug/L	10.00	95.8 %	80-120	
			CCV	ug/L	20.00	105 %	80-120	
Carbaryl/Naphthol	531.1	09/25/17:211520SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	99.9 %	80-120	
			MS	ug/L	20.00	106 %	65-135	
		(SP 1711294-005)	MSD	ug/L	20.00	111 %	65-135	
			MSRPD	ug/L	20.00	0.98	≤5	
Carbofuran	531.1	09/25/17:211520SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	107 %	80-120	
			MS	ug/L	20.00	96.9 %	65-135	
		(SP 1711294-005)	MSD	ug/L	20.00	113 %	65-135	
			MSRPD	ug/L	20.00	3.2	≤5	
	531.1	09/25/17:214426SG	CCV	ug/L	10.00	91.6 %	80-120	
			CCV	ug/L	20.00	98.2 %	80-120	
Methomyl	531.1	09/25/17:211520SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	98.6 %	80-120	
			MS	ug/L	20.00	113 %	65-135	
		(SP 1711294-005)	MSD	ug/L	20.00	119 %	65-135	
			MSRPD	ug/L	20.00	5.5%	≤53.1	
	531.1	09/25/17:214426SG	CCV	ug/L	10.00	108 %	80-120	
			CCV	ug/L	20.00	112 %	80-120	
Oxamyl	531.1	09/25/17:211520SG	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	96.8 %	80-120	
			MS	ug/L	20.00	109 %	65-135	
		(SP 1711294-005)	MSD	ug/L	20.00	116 %	65-135	
			MSRPD	ug/L	20.00	1.5	≤5	
	531.1	09/25/17:214426SG	CCV	ug/L	10.00	106 %	80-120	
			CCV	ug/L	20.00	113 %	80-120	
TOC	5310C	09/20/17:211306AMM	Blank	mg/L		ND	<0.3	
			BS	mg/L	15.00	97.0 %	75-125	
			BSD	mg/L	15.00	90.5 %	75-125	
			BSRPD	mg/L	15.00	6.9%	≤23.0	
	5310C	09/20/17:214222AMM	CCV	ppm	15.00	104 %	67-122	

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Organic								
TOC	5310C	09/20/17:214222AMM	CCV	ppm	15.00	107 %	67-122	
Endothall	548.1	09/19/17:211274SG	Blank	ug/L		ND	<40	
			LCS	ug/L	66.67	91.2 %	30-96	
			MS	ug/L	66.67	15.3 %	15-87	
		(STK1751650-001)	MSD	ug/L	66.67	30.5 %	15-87	
			MSRPD	ug/L	66.67	10	≤40	
	548.1	09/22/17:214244SG	CCV	ug/L	2500	107 %	70-130	
			CCV	ug/L	1000	93.0 %	70-130	
Diquat Dibromide	549	09/19/17:211268SG	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	39.2 %	34-114	
			MS	ug/L	20.00	35.6 %	0-86	
		(SP 1711393-001)	MSD	ug/L	20.00	57.2 %	0-86	
			MSRPD	ug/L	20.00	4.3	≤2	435
	549.2	09/26/17:214477SG	CCV	ug/L	500.0	116 %	80-120	
			CCV	ug/L	1000	99.1 %	80-120	
2,3-Dibromopropionic Acid	552	09/22/17:211426SBL	Blank	ug/L	5.000	81.6 %	70-130	
			LCS	ug/L	5.000	94.1 %	70-130	
			MS	ug/L	5.000	89.9 %	70-130	
		(SP 1711202-001)	MSD	ug/L	5.000	95.7 %	70-130	
			MSRPD	ug/L	5.000	0.29	≤1	
Dibromoacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	85.7 %	70-130	
			MS	ug/L	10.00	79.7 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	89.7 %	70-130	
			MSRPD	ug/L	5.000	10.8%	≤20.0	
Dichloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	87.3 %	70-130	
			MS	ug/L	10.00	84.2 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	93.7 %	70-130	
			MSRPD	ug/L	5.000	10.5%	≤20.0	
Monobromoacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	77.5 %	70-130	
			MS	ug/L	10.00	74.8 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	80.6 %	70-130	
			MSRPD	ug/L	5.000	7.1%	≤20.0	
Monochloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<2	
			LCS	ug/L	10.00	76.4 %	70-130	
			MS	ug/L	10.00	77.2 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	82.8 %	70-130	
			MSRPD	ug/L	5.000	0.57	≤2	
Trichloroacetic Acid	552	09/22/17:211426SBL	Blank	ug/L		ND	<1	
			LCS	ug/L	10.00	80.0 %	70-130	
			MS	ug/L	10.00	75.6 %	70-130	
		(SP 1711202-001)	MSD	ug/L	10.00	84.8 %	70-130	
			MSRPD	ug/L	5.000	10.4%	≤20.0	
2,3-Dibromopropionic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	75.00	135 %	70-130	362
			CCV	ug/L	50.00	117 %	70-130	
Dibromoacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	150.0	122 %	70-130	
			CCV	ug/L	100.0	117 %	70-130	
Dichloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	150.0	119 %	70-130	
			CCV	ug/L	100.0	115 %	70-130	
Monobromoacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	150.0	107 %	70-130	
			CCV	ug/L	100.0	106 %	70-130	
Monochloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	150.0	107 %	70-130	

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Organic								
Monochloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	100.0	111 %	70-130	
Trichloroacetic Acid	552.2	09/23/17:214323SBL	CCV	ug/L	150.0	109 %	70-130	
			CCV	ug/L	100.0	109 %	70-130	
Chlordane	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.1	
PCB 1016 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1221 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1232 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1242 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1248 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1254 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
PCB 1260 - 1	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
Tetrachloro-m-xylene	608/8081	09/18/17:211160caa	Blank	ug/L	0.5005	47.8 %	15-143	
			LCS	ug/L	0.5005	38.0 %	15-143	
			BS	ug/L	0.5005	57.7 %	26-141	
			BSD	ug/L	0.5005	28.1 %	26-141	
			BSRPD	ug/L	0.5005	0.15	≤0.05	410
	608/8081	09/22/17:214242SBL	CCV	ug/L	50.05	87.9 %	85-115	
			CCV	ug/L	100.1	89.3 %	85-115	
Toxaphene	608/8081	09/18/17:211160caa	Blank	ug/L		ND	<0.5	
1,1,1-Trichloroethane(TCA)	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	66-191	
		(STK1751976-001)	MSD	ug/L	10.00	104 %	66-191	
			MSRPD	ug/L	10.00	3.9%	≤21	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	78.4 %	75-125	
1,1,2,2-Tetrachloroethane	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	105 %	30-180	
		(STK1751976-001)	MSD	ug/L	10.00	106 %	30-180	
			MSRPD	ug/L	10.00	0.3%	≤19	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	102 %	60-140	
1,1,2-Trichloroethane	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.6 %	50-146	
		(STK1751976-001)	MSD	ug/L	10.00	98.0 %	50-146	
			MSRPD	ug/L	10.00	0.5%	≤25	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	95.0 %	71-129	
1,1-Dichloroethane	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	97.8 %	63-159	
		(STK1751976-001)	MSD	ug/L	10.00	95.8 %	63-159	
			MSRPD	ug/L	10.00	2.1%	≤22	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	77.3 %	72-128	
1,1-Dichloroethylene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	61.8 %	0-279	
		(STK1751976-001)	MSD	ug/L	10.00	71.9 %	0-279	
			MSRPD	ug/L	10.00	15.1%	≤36	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	53.9 %	51-150	
1,2-Dichlorobenzene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	123 %	57-153	
		(STK1751976-001)	MSD	ug/L	10.00	122 %	57-153	
			MSRPD	ug/L	10.00	0.4%	≤26	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	107 %	63-137	
1,2-Dichloroethane (EDC)	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	119 %	56-158	
		(STK1751976-001)	MSD	ug/L	10.00	115 %	56-158	
			MSRPD	ug/L	10.00	3.7%	≤24	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	109 %	68-132	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,2-Dichloropropane	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	109 %	55-152	
		(STK1751976-001)	MSD	ug/L	10.00	107 %	55-152	
			MSRPD	ug/L	10.00	1.2%	≤23	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	86.6 %	34-166	
1,3-Dichlorobenzene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	131 %	53-159	
		(STK1751976-001)	MSD	ug/L	10.00	131 %	53-159	
			MSRPD	ug/L	10.00	0.4%	≤28	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	105 %	73-127	
1,4-Dichlorobenzene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	53-161	
		(STK1751976-001)	MSD	ug/L	10.00	134 %	53-161	
			MSRPD	ug/L	10.00	1.5%	≤27	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	107 %	63-137	
2-Butanone (MEK)	624	09/19/17:211857VRG	Blank	ug/L		ND	<40	
			MS	ug/L	100.0	90.8 %	0-211	
		(STK1751976-001)	MSD	ug/L	100.0	97.1 %	0-211	
			MSRPD	ug/L	10.00	6.3	≤40	
	624	09/19/17:214843VRG	CCV	ug/L	80.00	99.6 %	20-230	
2-Chloroethylvinyl ether	624	09/19/17:211857VRG	Blank	ug/L		ND	<1	
			MS	ug/L	100.0	64.9 %	0-11	435
		(STK1751976-001)	MSD	ug/L	100.0	66.6 %	0-11	435
			MSRPD	ug/L	10.00	2.6%	≤3	
	624	09/19/17:214843VRG	CCV	ug/L	80.00	70.1 %	10-224	
2-Hexanone	624	09/19/17:211857VRG	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	87.6 %	0-190	
		(STK1751976-001)	MSD	ug/L	100.0	92.4 %	0-190	
			MSRPD	ug/L	10.00	4.8	≤30	
	624	09/19/17:214843VRG	CCV	ug/L	80.00	108 %	20-283	
4-Bromofluorobenzene	624	09/19/17:211857VRG	Blank	ug/L	10.00	102 %	70-161	
			MS	ug/L	10.00	109 %	58-151	
		(STK1751976-001)	MSD	ug/L	10.00	108 %	58-151	
			MSRPD	ug/L	10.00	1.6%	≤14	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	105 %	70-130	
4-Methyl-2-pentanone (MIBK)	624	09/19/17:211857VRG	Blank	ug/L		ND	<30	
			MS	ug/L	100.0	93.6 %	0-194	
		(STK1751976-001)	MSD	ug/L	100.0	94.7 %	0-194	
			MSRPD	ug/L	10.00	1.1	≤30	
	624	09/19/17:214843VRG	CCV	ug/L	80.00	104 %	20-233	
Acetone	624	09/19/17:211857VRG	Blank	ug/L		ND	<25	
			MS	ug/L	100.0	110 %	0-270	
		(STK1751976-001)	MSD	ug/L	100.0	112 %	0-270	
			MSRPD	ug/L	10.00	2.1	≤25	
	624	09/19/17:214843VRG	CCV	ug/L	80.00	136 %	20-367	
Acrolein	624	09/19/17:211857VRG	Blank	ug/L		ND	<5	
			MS	ug/L	100.0	53.3 %	0-171	
		(STK1751976-001)	MSD	ug/L	100.0	71.7 %	0-171	
			MSRPD	ug/L	10.00	27.8%	≤50	
	624	09/19/17:214843VRG	CCV	ug/L	100.0	102 %	20-209	
Acrylonitrile	624	09/19/17:211857VRG	Blank	ug/L		ND	<2	
			MS	ug/L	100.0	251 %	0-244	435
		(STK1751976-001)	MSD	ug/L	100.0	257 %	0-244	435
			MSRPD	ug/L	10.00	2.5%	≤47	

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Quality Control - Organic

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Organic								
Acrylonitrile	624	09/19/17:214843VRG	CCV	ug/L	100.0	285 %	20-278	360
Benzene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	103 %	65-155	
		(STK1751976-001)	MSD	ug/L	10.00	102 %	65-155	
			MSRPD	ug/L	10.00	1.0%	≤21	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	79.8 %	64-136	
Bromodichloromethane	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	79.3 %	62-150	
		(STK1751976-001)	MSD	ug/L	10.00	74.7 %	62-150	
			MSRPD	ug/L	10.00	1.6%	≤22	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	92.5 %	65-135	
Bromoform	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	122 %	64-150	
		(STK1751976-001)	MSD	ug/L	10.00	116 %	64-150	
			MSRPD	ug/L	10.00	3.8%	≤16	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	115 %	71-129	
Bromomethane (Methyl Bromide)	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	53.1 %	48-196	
		(STK1751976-001)	MSD	ug/L	40.00	53.8 %	48-196	
			MSRPD	ug/L	10.00	1.3%	≤24	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	130 %	14-186	
Carbon Disulfide	624	09/19/17:211857VRG	Blank	ug/L		ND	<5	
			MS	ug/L	100.0	96.1 %	0-230	
		(STK1751976-001)	MSD	ug/L	100.0	94.5 %	0-230	
			MSRPD	ug/L	10.00	1.7%	≤72	
	624	09/19/17:214843VRG	CCV	ug/L	80.00	63.1 %	20-242	
Carbon Tetrachloride	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	108 %	69-206	
		(STK1751976-001)	MSD	ug/L	10.00	112 %	69-206	
			MSRPD	ug/L	10.00	3.8%	≤19	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	90.1 %	73-127	
Chlorobenzene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	118 %	69-152	
		(STK1751976-001)	MSD	ug/L	10.00	115 %	69-152	
			MSRPD	ug/L	10.00	3.0%	≤24	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	92.1 %	66-134	
Chloroethane (Ethyl Chloride)	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	41.3 %	53-214	435
		(STK1751976-001)	MSD	ug/L	40.00	41.2 %	53-214	435
			MSRPD	ug/L	10.00	0.2%	≤32	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	79.9 %	38-162	
Chloroform	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	82.6 %	55-155	
		(STK1751976-001)	MSD	ug/L	10.00	86.4 %	55-155	
			MSRPD	ug/L	10.00	1.2%	≤22	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	83.6 %	67-133	
Chloromethane(Methyl Chloride)	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	51.0 %	33-202	
		(STK1751976-001)	MSD	ug/L	40.00	49.2 %	33-202	
			MSRPD	ug/L	10.00	3.6%	≤25	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	103 %	0-204	
cis-1,3-Dichloropropene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	114 %	59-142	
		(STK1751976-001)	MSD	ug/L	10.00	110 %	59-142	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
cis-1,3-Dichloropropene	624	09/19/17:211857VRG	MSRPD	ug/L	10.00	3.8%	≤23	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	93.4 %	24-176	
Dibromochloromethane	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	88.1 %	53-151	
		(STK1751976-001)	MSD	ug/L	10.00	81.8 %	53-151	
			MSRPD	ug/L	10.00	2.8%	≤25	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	96.9 %	67-133	
Dichloromethane	624	09/19/17:211857VRG	Blank	ug/L		ND	<2	
			MS	ug/L	10.00	93.8 %	24-207	
		(STK1751976-001)	MSD	ug/L	10.00	90.7 %	24-207	
			MSRPD	ug/L	10.00	0.31	≤2	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	81.8 %	60-139	
Ethylbenzene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	135 %	45-194	
		(STK1751976-001)	MSD	ug/L	10.00	135 %	45-194	
			MSRPD	ug/L	10.00	0.1%	≤31	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	98.2 %	59-141	
Fluorobenzene	624	09/19/17:211857VRG	Blank	ug/L	10.00	99.7 %	72-139	
			MS	ug/L	10.00	102 %	90-121	
		(STK1751976-001)	MSD	ug/L	10.00	98.3 %	90-121	
			MSRPD	ug/L	10.00	3.3%	≤3	435
	624	09/19/17:214843VRG	CCV	ug/L	10.00	100 %	70-130	
Freon-11	624	09/19/17:211857VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	40.00	47.0 %	57-259	435
		(STK1751976-001)	MSD	ug/L	40.00	65.1 %	57-259	
			MSRPD	ug/L	10.00	32.2%	≤27	435
	624	09/19/17:214843VRG	CCV	ug/L	10.00	74.5 %	48-152	
Methyl tert-Butyl Ether (MTBE)	624	09/19/17:211857VRG	Blank	ug/L		ND	<5	
			MS	ug/L	10.00	92.4 %	26-210	
		(STK1751976-001)	MSD	ug/L	10.00	102 %	26-210	
			MSRPD	ug/L	10.00	0.94	≤5	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	83.6 %	63-178	
Pentafluorobenzene	624	09/19/17:211857VRG	Blank	ug/L	10.00	109 %	59-151	
			MS	ug/L	10.00	106 %	74-148	
		(STK1751976-001)	MSD	ug/L	10.00	107 %	74-148	
			MSRPD	ug/L	10.00	1.0%	≤10	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	105 %	70-130	
Styrene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	128 %	6-195	
		(STK1751976-001)	MSD	ug/L	10.00	129 %	6-195	
			MSRPD	ug/L	10.00	1.1%	≤25	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	101 %	67-158	
Tetrachloroethylene (PCE)	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	125 %	63-171	
		(STK1751976-001)	MSD	ug/L	10.00	126 %	63-171	
			MSRPD	ug/L	10.00	0.2%	≤26	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	87.7 %	73-127	
Toluene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	109 %	65-160	
		(STK1751976-001)	MSD	ug/L	10.00	108 %	65-160	
			MSRPD	ug/L	10.00	1.8%	≤25	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	80.1 %	74-126	
trans-1,2-Dichloroethylene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	68.2 %	68-179	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
trans-1,2-Dichloroethylene	624	(STK1751976-001)	MSD	ug/L	10.00	106 %	68-179	
			MSRPD	ug/L	10.00	43.4%	≤51	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	78.5 %	69-131	
trans-1,3-Dichloropropene	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	98.7 %	55-148	
		(STK1751976-001)	MSD	ug/L	10.00	93.9 %	55-148	
			MSRPD	ug/L	10.00	5.0%	≤25	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	85.8 %	50-150	
Trichloroethylene (TCE)	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	111 %	54-178	
		(STK1751976-001)	MSD	ug/L	10.00	111 %	54-178	
			MSRPD	ug/L	10.00	0.04%	≤22	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	80.8 %	66-134	
Vinyl Acetate	624	09/19/17:211857VRG	Blank	ug/L		ND	<10	
			MS	ug/L	100.0	86.5 %	0-331	
		(STK1751976-001)	MSD	ug/L	100.0	88.0 %	0-331	
			MSRPD	ug/L	10.00	1.7%	≤44	
	624	09/19/17:214843VRG	CCV	ug/L	80.00	87.3 %	20-393	
Vinyl Chloride	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	40.00	54.0 %	32-217	
		(STK1751976-001)	MSD	ug/L	40.00	49.4 %	32-217	
			MSRPD	ug/L	10.00	8.8%	≤26	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	100 %	4-196	
Xylenes m,p	624	09/19/17:211857VRG	Blank	ug/L		ND	<1.0	
			MS	ug/L	20.00	133 %	50-181	
		(STK1751976-001)	MSD	ug/L	20.00	131 %	50-181	
			MSRPD	ug/L	10.00	1.5%	≤30	
	624	09/19/17:214843VRG	CCV	ug/L	20.00	96.2 %	45-170	
Xylenes o	624	09/19/17:211857VRG	Blank	ug/L		ND	<0.5	
			MS	ug/L	10.00	132 %	38-182	
		(STK1751976-001)	MSD	ug/L	10.00	134 %	38-182	
			MSRPD	ug/L	10.00	1.8%	≤29	
	624	09/19/17:214843VRG	CCV	ug/L	10.00	99.3 %	63-163	
1,2,4-Trichlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	73.6 %	38-105	
			BS	ug/L	20.00	78.3 %	21-110	
			BSD	ug/L	20.00	85.1 %	21-110	
			BSRPD	ug/L	20.00	8.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	103 %	80-120	
1,2-Dichlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	78.2 %	48-97	
			BS	ug/L	20.00	83.7 %	16-115	
			BSD	ug/L	20.00	89.8 %	16-115	
			BSRPD	ug/L	20.00	7.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	108 %	80-120	
1,2-Diphenylhydrazine	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.4 %	61-111	
			BS	ug/L	20.00	87.5 %	39-121	
			BSD	ug/L	20.00	92.4 %	39-121	
			BSRPD	ug/L	20.00	5.4%	≤30	
1,3-Dichlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	74.4 %	39-94	
			BS	ug/L	20.00	80.4 %	11-111	
			BSD	ug/L	20.00	87.0 %	11-111	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
1,3-Dichlorobenzene	625	09/21/17:211355caa	BSRPD	ug/L	20.00	7.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
1,4-Dichlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	74.7 %	42-95	
			BS	ug/L	20.00	82.9 %	13-111	
			BSD	ug/L	20.00	90.0 %	13-111	
			BSRPD	ug/L	20.00	8.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
2,4,5-Trichlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	104 %	70-122	
			BS	ug/L	20.00	110 %	36-148	
			BSD	ug/L	20.00	116 %	36-148	
			BSRPD	ug/L	20.00	5.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	123 %	70-130	
2,4,6-Tribromophenol	625	09/21/17:211355caa	Blank	ug/L	20.00	55.5 %	34-116	
			LCS	ug/L	20.00	67.5 %	34-116	
			BS	ug/L	20.00	69.8 %	34-116	
			BSD	ug/L	20.00	72.3 %	34-116	
			BSRPD	ug/L	20.00	3.5%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	97.2 %	80-120	
2,4,6-Trichlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.3 %	65-115	
			BS	ug/L	20.00	91.0 %	38-136	
			BSD	ug/L	20.00	96.4 %	38-136	
			BSRPD	ug/L	20.00	5.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
2,4-Dichlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	85.4 %	68-117	
			BS	ug/L	20.00	90.9 %	37-131	
			BSD	ug/L	20.00	97.0 %	37-131	
			BSRPD	ug/L	20.00	6.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
2,4-Dimethylphenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	66.3 %	54-97	
			BS	ug/L	20.00	66.9 %	23-118	
			BSD	ug/L	20.00	74.7 %	23-118	
			BSRPD	ug/L	20.00	11.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	93.9 %	80-120	
2,4-Dinitrophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<5	
			LCS	ug/L	20.00	76.2 %	37-112	
			BS	ug/L	20.00	86.5 %	15-146	
			BSD	ug/L	20.00	80.5 %	15-146	
			BSRPD	ug/L	20.00	1.2	≤5	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	96.9 %	80-120	
2,4-Dinitrotoluene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.4 %	71-114	
			BS	ug/L	20.00	97.5 %	49-135	
			BSD	ug/L	20.00	102 %	49-135	
			BSRPD	ug/L	20.00	4.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
2,6-Dinitrotoluene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.7 %	72-119	
			BS	ug/L	20.00	101 %	43-140	
			BSD	ug/L	20.00	108 %	43-140	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
2,6-Dinitrotoluene	625	09/21/17:211355caa	BSRPD	ug/L	20.00	6.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	118 %	80-120	
2-Chlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	81.8 %	63-114	
			BS	ug/L	20.00	88.0 %	34-124	
			BSD	ug/L	20.00	92.3 %	34-124	
			BSRPD	ug/L	20.00	4.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	108 %	80-120	
2-Fluorobiphenyl	625	09/21/17:211355caa	Blank	ug/L	10.00	58.6 %	29-98	
			LCS	ug/L	10.00	57.7 %	29-98	
			BS	ug/L	10.00	58.8 %	29-98	
			BSD	ug/L	10.00	63.5 %	29-98	
			BSRPD	ug/L	20.00	7.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	10.00	100 %	80-120	
2-Fluorophenol	625	09/21/17:211355caa	Blank	ug/L	20.00	64.5 %	23-105	
			LCS	ug/L	20.00	59.7 %	23-105	
			BS	ug/L	20.00	67.5 %	23-105	
			BSD	ug/L	20.00	68.2 %	23-105	
			BSRPD	ug/L	20.00	1.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
2-Nitrophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	88.3 %	59-125	
			BS	ug/L	20.00	95.6 %	39-135	
			BSD	ug/L	20.00	96.6 %	39-135	
			BSRPD	ug/L	20.00	1.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	116 %	80-120	
3,3-Dichlorobenzidine	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	67.6 %	52-119	
			BS	ug/L	20.00	65.0 %	3-125	
			BSD	ug/L	20.00	63.6 %	3-125	
			BSRPD	ug/L	20.00	2.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	122 %	80-120	360
4,6-Dinitro-2-methylphenol	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	71.3 %	35-129	
			BS	ug/L	20.00	79.8 %	36-137	
			BSD	ug/L	20.00	75.8 %	36-137	
			BSRPD	ug/L	20.00	5.1%	≤30	
4,6-Dinitro-o-cresol	625	09/27/17:214621SBL	CCV	mg/L	20.00	89.6 %	80-120	
4-Bromophenylphenylether	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	82.0 %	66-111	
			BS	ug/L	20.00	84.1 %	41-123	
			BSD	ug/L	20.00	89.4 %	41-123	
			BSRPD	ug/L	20.00	6.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	100 %	80-120	
4-Nitrophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	114 %	57-144	
			BS	ug/L	20.00	119 %	11-199	
			BSD	ug/L	20.00	122 %	11-199	
			BSRPD	ug/L	20.00	1.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	128 %	80-120	360
Acenaphthene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	82.9 %	60-106	
			BS	ug/L	20.00	85.9 %	33-122	
			BSD	ug/L	20.00	92.9 %	33-122	

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Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Acenaphthene	625	09/21/17:211355caa	BSRPD	ug/L	20.00	7.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
Acenaphthylene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	87.3 %	63-109	
			BS	ug/L	20.00	90.2 %	34-126	
			BSD	ug/L	20.00	97.3 %	34-126	
			BSRPD	ug/L	20.00	7.5%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
Anthracene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	90.6 %	73-108	
			BS	ug/L	20.00	92.6 %	44-122	
			BSD	ug/L	20.00	97.4 %	44-122	
			BSRPD	ug/L	20.00	5.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
Azobenzene	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
Benzidine	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	2.3 %	0-59	
			BS	ug/L	20.00	2.4 %	0-115	
			BSD	ug/L	20.00	2.8 %	0-115	
			BSRPD	ug/L	20.00	0.075	≤2	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	124 %	70-130	
Benzo(a)anthracene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	94.8 %	80-106	
			BS	ug/L	20.00	97.5 %	42-123	
			BSD	ug/L	20.00	100 %	42-123	
			BSRPD	ug/L	20.00	2.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	111 %	80-120	
Benzo(a)pyrene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	92.5 %	77-105	
			BS	ug/L	20.00	94.3 %	41-121	
			BSD	ug/L	20.00	95.6 %	41-121	
			BSRPD	ug/L	20.00	1.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
Benzo(b)fluoranthene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	90.5 %	80-104	
			BS	ug/L	20.00	98.2 %	35-135	
			BSD	ug/L	20.00	104 %	35-135	
			BSRPD	ug/L	20.00	5.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	111 %	80-120	
Benzo(g,h,i)perylene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	92.6 %	49-128	
			BS	ug/L	20.00	96.9 %	38-118	
			BSD	ug/L	20.00	88.4 %	38-118	
			BSRPD	ug/L	20.00	9.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	113 %	80-120	
Benzo(k)fluoranthene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.1 %	71-113	
			BS	ug/L	20.00	96.5 %	40-124	
			BSD	ug/L	20.00	100 %	40-124	
			BSRPD	ug/L	20.00	3.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
bis(2-Chloroethoxy)methane	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.3 %	65-111	
			BS	ug/L	20.00	86.8 %	32-128	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
bis(2-Chloroethoxy)methane	625	09/21/17:211355caa	BSD	ug/L	20.00	95.3 %	32-128	
			BSRPD	ug/L	20.00	9.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
bis(2-Chloroethyl)ether	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	85.0 %	68-110	
			BS	ug/L	20.00	90.3 %	0-201	
			BSD	ug/L	20.00	96.7 %	0-201	
			BSRPD	ug/L	20.00	6.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
bis(2-Chloroisopropyl)ether	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	74.0 %	48-105	
			BS	ug/L	20.00	77.7 %	27-116	
			BSD	ug/L	20.00	83.3 %	27-116	
			BSRPD	ug/L	20.00	7.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	96.0 %	80-120	
bis(2-Ethylhexyl)phthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	88.6 %	69-116	
			BS	ug/L	20.00	87.9 %	18-137	
			BSD	ug/L	20.00	95.9 %	18-137	
			BSRPD	ug/L	20.00	8.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	101 %	80-120	
Butylbenzylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	72.3 %	14-112	
			BS	ug/L	20.00	71.9 %	18-136	
			BSD	ug/L	20.00	78.1 %	18-136	
			BSRPD	ug/L	20.00	8.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	105 %	80-120	
Chloronaphthalene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	81.4 %	56-105	
			BS	ug/L	20.00	84.3 %	32-119	
			BSD	ug/L	20.00	91.5 %	32-119	
			BSRPD	ug/L	20.00	8.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
Chlorophenylphenylether	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	78.7 %	62-111	
			BS	ug/L	20.00	82.8 %	40-119	
			BSD	ug/L	20.00	88.9 %	40-119	
			BSRPD	ug/L	20.00	7.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	99.6 %	80-120	
Chrysene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	93.9 %	79-107	
			BS	ug/L	20.00	98.3 %	39-123	
			BSD	ug/L	20.00	101 %	39-123	
			BSRPD	ug/L	20.00	2.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
Dibenzo(a,h)anthracene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	103 %	63-133	
			BS	ug/L	20.00	110 %	34-138	
			BSD	ug/L	20.00	101 %	34-138	
			BSRPD	ug/L	20.00	8.5%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	123 %	80-120	360
Diethylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	45.6 %	0-87	
			BS	ug/L	20.00	53.5 %	0-147	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Diethylphthalate	625	09/21/17:211355caa	BSD	ug/L	20.00	55.4 %	0-147	
			BSRPD	ug/L	20.00	3.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	105 %	80-120	
Dimethylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	42.5 %	0-56	
			BS	ug/L	20.00	50.9 %	0-137	
			BSD	ug/L	20.00	52.8 %	0-137	
			BSRPD	ug/L	20.00	3.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	104 %	80-120	
Di-n-butylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	75.9 %	20-120	
			BS	ug/L	20.00	77.3 %	26-141	
			BSD	ug/L	20.00	81.2 %	26-141	
			BSRPD	ug/L	20.00	5.0%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	111 %	80-120	
Di-n-octylphthalate	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.8 %	55-126	
			BS	ug/L	20.00	95.5 %	29-144	
			BSD	ug/L	20.00	111 %	29-144	
			BSRPD	ug/L	20.00	14.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	113 %	80-120	
Fluoranthene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	91.2 %	73-111	
			BS	ug/L	20.00	94.3 %	48-126	
			BSD	ug/L	20.00	97.8 %	48-126	
			BSRPD	ug/L	20.00	3.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	108 %	80-120	
Fluorene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	85.9 %	64-111	
			BS	ug/L	20.00	89.2 %	38-123	
			BSD	ug/L	20.00	96.0 %	38-123	
			BSRPD	ug/L	20.00	7.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	109 %	80-120	
Hexachlorobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	80.1 %	66-108	
			BS	ug/L	20.00	83.0 %	40-115	
			BSD	ug/L	20.00	88.8 %	40-115	
			BSRPD	ug/L	20.00	6.7%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	99.9 %	80-120	
Hexachlorobutadiene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	61.8 %	4-104	
			BS	ug/L	20.00	66.8 %	4-101	
			BSD	ug/L	20.00	69.5 %	4-101	
			BSRPD	ug/L	20.00	3.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	101 %	80-120	
Hexachlorocyclopentadiene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	41.3 %	0-73	
			BS	ug/L	20.00	38.0 %	4-44	
			BSD	ug/L	20.00	39.8 %	4-44	
			BSRPD	ug/L	20.00	4.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
Hexachloroethane	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	71.6 %	16-97	
			BS	ug/L	20.00	78.2 %	0-109	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Hexachloroethane	625	09/21/17:211355caa	BSD	ug/L	20.00	83.2 %	0-109	
			BSRPD	ug/L	20.00	6.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	112 %	80-120	
Indeno(1,2,3-c,d)pyrene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	103 %	58-129	
			BS	ug/L	20.00	109 %	26-146	
			BSD	ug/L	20.00	100 %	26-146	
			BSRPD	ug/L	20.00	8.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	122 %	80-120	360
Isophorone	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	91.9 %	63-107	
			BS	ug/L	20.00	96.0 %	35-124	
			BSD	ug/L	20.00	102 %	35-124	
			BSRPD	ug/L	20.00	6.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	113 %	80-120	
Naphthalene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	82.4 %	61-104	
			BS	ug/L	20.00	85.5 %	28-122	
			BSD	ug/L	20.00	92.4 %	28-122	
			BSRPD	ug/L	20.00	7.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	108 %	80-120	
Nitrobenzene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.2 %	62-104	
			BS	ug/L	20.00	87.8 %	49-108	
			BSD	ug/L	20.00	95.4 %	49-108	
			BSRPD	ug/L	20.00	8.3%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	110 %	80-120	
Nitrobenzene-d5	625	09/21/17:211355caa	Blank	ug/L	10.00	60.8 %	23-104	
			LCS	ug/L	10.00	59.8 %	23-104	
			BS	ug/L	10.00	62.1 %	23-104	
			BSD	ug/L	10.00	66.8 %	23-104	
			BSRPD	ug/L	20.00	7.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	10.00	105 %	80-120	
N-Nitrosodimethylamine	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	89.8 %	60-117	
			BS	ug/L	20.00	86.8 %	23-129	
			BSD	ug/L	20.00	104 %	23-129	
			BSRPD	ug/L	20.00	17.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	120 %	80-120	
N-Nitrosodi-N-propylamine	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	83.1 %	61-106	
			BS	ug/L	20.00	87.9 %	30-124	
			BSD	ug/L	20.00	94.1 %	30-124	
			BSRPD	ug/L	20.00	6.9%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
N-Nitrosodiphenylamine	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	54.1 %	9-136	
			BS	ug/L	20.00	54.5 %	34-127	
			BSD	ug/L	20.00	55.8 %	34-127	
			BSRPD	ug/L	20.00	2.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	86.6 %	80-120	
p-Chloro-m-cresol	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	96.1 %	65-118	
			BS	ug/L	20.00	101 %	35-142	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
p-Chloro-m-cresol	625	09/21/17:211355caa	BSD	ug/L	20.00	109 %	35-142	
			BSRPD	ug/L	20.00	7.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	120 %	80-120	
Pentachlorophenol	625	09/21/17:211355caa	Blank	ug/L		ND	<2	
			LCS	ug/L	20.00	87.9 %	51-131	
			BS	ug/L	20.00	94.6 %	22-172	
			BSD	ug/L	20.00	97.3 %	22-172	
			BSRPD	ug/L	20.00	2.8%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
Phenanthrene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	87.7 %	71-106	
			BS	ug/L	20.00	90.2 %	44-120	
			BSD	ug/L	20.00	94.4 %	44-120	
			BSRPD	ug/L	20.00	4.6%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	106 %	80-120	
Phenol	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	84.7 %	48-134	
			BS	ug/L	20.00	89.0 %	28-130	
			BSD	ug/L	20.00	98.8 %	28-130	
			BSRPD	ug/L	20.00	10.5%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	114 %	80-120	
Phenol-d6	625	09/21/17:211355caa	Blank	ug/L	20.00	62.1 %	26-102	
			LCS	ug/L	20.00	64.6 %	26-102	
			BS	ug/L	20.00	66.1 %	26-102	
			BSD	ug/L	20.00	74.6 %	26-102	
			BSRPD	ug/L	20.00	12.1%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	107 %	80-120	
p-Terphenyl-d14	625	09/21/17:211355caa	Blank	ug/L	10.00	62.2 %	29-93	
			LCS	ug/L	10.00	60.1 %	29-93	
			BS	ug/L	10.00	60.1 %	29-93	
			BSD	ug/L	10.00	65.2 %	29-93	
			BSRPD	ug/L	20.00	8.2%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	10.00	95.1 %	80-120	
Pyrene	625	09/21/17:211355caa	Blank	ug/L		ND	<1	
			LCS	ug/L	20.00	88.5 %	81-101	
			BS	ug/L	20.00	90.0 %	42-120	
			BSD	ug/L	20.00	97.0 %	42-120	
			BSRPD	ug/L	20.00	7.4%	≤30	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	105 %	80-120	
Pyridine	625	09/21/17:211355caa	Blank	ug/L		ND	<10	
			LCS	ug/L	20.00	21.1 %	0-78	
			BS	ug/L	20.00	20.3 %	0-99	
			BSD	ug/L	20.00	48.3 %	0-99	
			BSRPD	ug/L	20.00	5.6	≤10	
	625	09/27/17:214621SBL	CCV	mg/L	20.00	122 %	80-120	360
2,4`-DDD	625P	09/23/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
2,4`-DDE	625P	09/23/17:214486SG	CCV	ug/L	100.0	119 %	70-130	
2,4`-DDT	625P	09/23/17:214486SG	CCV	ug/L	100.0	121 %	70-130	
Aldrin	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	92.1 %	0-131	
			BS	ug/L	0.1000	30.2 %	4-108	
			BSD	ug/L	0.1000	78.7 %	4-108	
			BSRPD	ug/L	0.1000	89.0%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	124 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Alpha BHC	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.3 %	9-125	
			BS	ug/L	0.1000	29.7 %	17-100	
			BSD	ug/L	0.1000	53.9 %	17-100	
			BSRPD	ug/L	0.1000	58.0%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	123 %	70-130	
alpha-Chlordane	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	102 %	14-126	
			BS	ug/L	0.1000	33.1 %	0-135	
			BSD	ug/L	0.1000	84.1 %	0-135	
			BSRPD	ug/L	0.1000	86.9%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	123 %	70-130	
Beta BHC	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	61.5 %	13-125	
			BS	ug/L	0.1000	6.1 %	16-123	436
			BSD	ug/L	0.1000	29.5 %	16-123	
			BSRPD	ug/L	0.1000	0.023	≤0.005	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	82.3 %	70-130	
cis_Nonachlor	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.0 %	10-138	
			BS	ug/L	0.1000	31.3 %	0-120	
			BSD	ug/L	0.1000	75.5 %	0-120	
			BSRPD	ug/L	0.1000	82.8%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	110 %	70-130	
Delta BHC	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	80.1 %	0-122	
			BS	ug/L	0.1000	16.3 %	0-112	
			BSD	ug/L	0.1000	37.5 %	0-112	
			BSRPD	ug/L	0.1000	78.8%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	87.5 %	70-130	
Dieldrin	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.2 %	19-120	
			BS	ug/L	0.1000	33.0 %	0-121	
			BSD	ug/L	0.1000	83.7 %	0-121	
			BSRPD	ug/L	0.1000	86.9%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	114 %	70-130	
Endosulfan I	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	54.5 %	18-129	
			BS	ug/L	0.1000	19.3 %	0-154	
			BSD	ug/L	0.1000	46.5 %	0-154	
			BSRPD	ug/L	0.1000	82.4%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	73.7 %	70-130	
Endosulfan II	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	93.3 %	22-128	
			BS	ug/L	0.1000	39.6 %	0-149	
			BSD	ug/L	0.1000	69.7 %	0-149	
			BSRPD	ug/L	0.1000	55.1%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	93.9 %	70-130	
Endosulfan Sulfate	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	32-106	
			BS	ug/L	0.1000	36.2 %	4-140	
			BSD	ug/L	0.1000	80.4 %	4-140	
			BSRPD	ug/L	0.1000	75.7%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	124 %	70-130	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Endrin	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	0-130	
			BS	ug/L	0.1000	26.7 %	7-101	
			BSD	ug/L	0.1000	75.4 %	7-101	
			BSRPD	ug/L	0.1000	95.4%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
Endrin Aldehyde	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	122 %	16-135	
			BS	ug/L	0.1000	39.1 %	0-148	
			BSD	ug/L	0.1000	83.0 %	0-148	
			BSRPD	ug/L	0.1000	72.0%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	114 %	70-130	
Endrin Ketone	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	101 %	25-121	
			BS	ug/L	0.1000	30.4 %	21-111	
			BSD	ug/L	0.1000	59.0 %	21-111	
			BSRPD	ug/L	0.1000	64.1%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	97.6 %	70-130	
gamma-Chlordane	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	98.0 %	20-123	
			BS	ug/L	0.1000	28.3 %	1-116	
			BSD	ug/L	0.1000	77.9 %	1-116	
			BSRPD	ug/L	0.1000	93.3%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	125 %	70-130	
Heptachlor	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	86.1 %	19-119	
			BS	ug/L	0.1000	23.6 %	13-100	
			BSD	ug/L	0.1000	65.7 %	13-100	
			BSRPD	ug/L	0.1000	94.4%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	126 %	70-130	
Heptachlor Epoxide	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	104 %	18-131	
			BS	ug/L	0.1000	34.6 %	0-127	
			BSD	ug/L	0.1000	87.0 %	0-127	
			BSRPD	ug/L	0.1000	86.3%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	116 %	70-130	
Lindane	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	85.0 %	22-181	
			BS	ug/L	0.1000	21.9 %	0-234	
			BSD	ug/L	0.1000	66.8 %	0-234	
			BSRPD	ug/L	0.1000	101%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	96.9 %	70-130	
Methoxychlor	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	105 %	26-113	
			BS	ug/L	0.1000	29.0 %	2-107	
			BSD	ug/L	0.1000	64.2 %	2-107	
			BSRPD	ug/L	0.1000	75.4%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	124 %	70-130	
o,p - DDD	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	104 %	15-136	
			BS	ug/L	0.1000	32.2 %	12-118	
			BSD	ug/L	0.1000	82.7 %	12-118	
			BSRPD	ug/L	0.1000	88.0%	≤25	410
o,p - DDE	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	

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Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
o,p - DDE	625P	09/20/17:211298caa	LCS	ug/L	0.1000	98.1 %	23-124	
			BS	ug/L	0.1000	29.3 %	0-108	
			BSD	ug/L	0.1000	79.5 %	0-108	
			BSRPD	ug/L	0.1000	92.3%	≤25	410
o,p - DDT	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	109 %	27-131	
			BS	ug/L	0.1000	39.6 %	0-124	
			BSD	ug/L	0.1000	103 %	0-124	
			BSRPD	ug/L	0.1000	89.3%	≤25	410
p,p - DDD	625P	09/23/17:214486SG	CCV	ug/L	100.0	97.7 %	70-130	
p,p - DDE	625P	09/23/17:214486SG	CCV	ug/L	100.0	118 %	70-130	
p,p - DDT	625P	09/23/17:214486SG	CCV	ug/L	100.0	111 %	70-130	
p,p`-DDD	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	95.5 %	0-177	
			BS	ug/L	0.1000	28.8 %	17-107	
			BSD	ug/L	0.1000	65.7 %	17-107	
			BSRPD	ug/L	0.1000	78.2%	≤25	410
p,p`-DDE	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	87.6 %	23-126	
			BS	ug/L	0.1000	30.6 %	2-107	
			BSD	ug/L	0.1000	76.0 %	2-107	
			BSRPD	ug/L	0.1000	85.2%	≤25	410
p,p`-DDT	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	89.6 %	32-108	
			BS	ug/L	0.1000	19.8 %	0-128	
			BSD	ug/L	0.1000	50.1 %	0-128	
			BSRPD	ug/L	0.1000	86.7%	≤25	410
Tetrachloro-m-xylene	625P	09/20/17:211298caa	Blank	ug/L	0.1000	57.4 %	26-90	
			LCS	ug/L	0.1000	73.8 %	26-90	
			BS	ug/L	0.1000	25.0 %	26-90	436
			BSD	ug/L	0.1000	50.5 %	26-90	
			BSRPD	ug/L	0.1000	67.6%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	126 %	70-130	
trans-Nonachlor	625P	09/20/17:211298caa	Blank	ug/L		ND	<0.005	
			LCS	ug/L	0.1000	107 %	9-139	
			BS	ug/L	0.1000	34.4 %	0-120	
			BSD	ug/L	0.1000	82.1 %	0-120	
			BSRPD	ug/L	0.1000	81.8%	≤25	410
	625P	09/23/17:214486SG	CCV	ug/L	100.0	123 %	70-130	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.

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Quality Control - Organic

Definition	
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation	
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
362	: Surrogates are qualified on Control Chart Limits, these are CCV limits. See individual sample reports.
410	: Relative Percent Difference (RPD) not within Maximum Allowable Value (MAV). Data was accepted based on the LCS or CCV recovery.
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
436	: Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Boron	200.7		MS	mg/L	4.000	113 %	75-125	
		(SP 1711294-005)	MSD	mg/L	4.000	111 %	75-125	
			MSRPD	mg/L	4000	1.4%	≤20.0	
	200.7	10/05/17:215039AC	CCV	ppm	5.000	103 %	90-110	
			CCB	ppm		0.030	0.1	
			CCV	ppm	5.000	106 %	90-110	
			CCB	ppm		0.040	0.1	
Calcium	200.7		MS	mg/L	12.00	66.2 %	<¼	
		(SP 1711294-005)	MSD	mg/L	12.00	67.7 %	<¼	
			MSRPD	mg/L	4000	0.1%	≤20.0	
	200.7	10/05/17:215039AC	CCV	ppm	25.00	101 %	90-110	
			CCB	ppm		0.004	1	
			CCV	ppm	25.00	106 %	90-110	
			CCB	ppm		0.01	1	
Copper	200.7		MS	ug/L	800.0	116 %	75-125	
		(SP 1711294-005)	MSD	ug/L	800.0	112 %	75-125	
			MSRPD	ug/L	4000	3.3%	≤20.0	
	200.7	10/05/17:215039AC	CCV	ppm	1.000	102 %	90-110	
			CCB	ppm		0.0002	0.01	
			CCV	ppm	1.000	105 %	90-110	
			CCB	ppm		-0.00009	0.01	
Iron	200.7		MS	ug/L	4000	111 %	75-125	
		(SP 1711294-005)	MSD	ug/L	4000	109 %	75-125	
			MSRPD	ug/L	4000	1.7%	≤20.0	
	200.7	10/05/17:215039AC	CCV	ppm	5.000	104 %	90-110	
			CCB	ppm		0.0066	0.03	
			CCV	ppm	5.000	105 %	90-110	
			CCB	ppm		0.0081	0.03	
Magnesium	200.7		MS	mg/L	12.00	61.8 %	<¼	
		(SP 1711294-005)	MSD	mg/L	12.00	64.0 %	<¼	
			MSRPD	mg/L	4000	0.2%	≤20.0	
	200.7	10/05/17:215039AC	CCV	ppm	25.00	99.4 %	90-110	
			CCB	ppm		0.004	1	
			CCV	ppm	25.00	104 %	90-110	
			CCB	ppm		0.001	1	
Manganese	200.7		MS	ug/L	800.0	117 %	75-125	
		(SP 1711294-005)	MSD	ug/L	800.0	113 %	75-125	
			MSRPD	ug/L	4000	3.2%	≤20.0	
	200.7	10/05/17:215039AC	CCV	ppm	1.000	105 %	90-110	
			CCB	ppm		0.00006	0.01	
			CCV	ppm	1.000	108 %	90-110	
			CCB	ppm		0.00003	0.01	
Potassium	200.7		MS	mg/L	12.00	122 %	75-125	
		(SP 1711294-005)	MSD	mg/L	12.00	119 %	75-125	
			MSRPD	mg/L	4000	1.9%	≤20.0	
	200.7	10/05/17:215039AC	CCV	ppm	25.00	100 %	90-110	
			CCB	ppm		0.009	1	
			CCV	ppm	25.00	105 %	90-110	
			CCB	ppm		-0.01	1	
Sodium	200.7		MS	mg/L	12.00	71.9 %	<¼	
		(SP 1711294-005)	MSD	mg/L	12.00	74.3 %	<¼	
			MSRPD	mg/L	4000	0.1%	≤20.0	
	200.7	10/05/17:215039AC	CCV	ppm	25.00	97.7 %	90-110	
			CCB	ppm		0.05	1	
			CCV	ppm	25.00	103 %	90-110	

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Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Sodium	200.7	10/05/17:215039AC	CCB	ppm		0.20	1	
Zinc	200.7	(SP 1711294-005)	MS	ug/L	800.0	86.4 %	75-125	
			MSD	ug/L	800.0	84.0 %	75-125	
			MSRPD	ug/L	4000	2.9%	≤20.0	
	200.7	10/06/17:215064AC	CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		-0.001	0.02	
			CCV	ppm	1.000	101 %	90-110	
			CCB	ppm		-0.0007	0.02	
Aluminum	200.8	09/19/17:214164AC	CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		-0.1	10	
			CCV	ppb	120.0	96.4 %	90-110	
			CCB	ppb		0.007	10	
Antimony	200.8	09/19/17:214164AC	CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.17	1	
			CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.21	1	
Arsenic	200.8	09/19/17:214164AC	CCV	ppb	120.0	112 %	90-110	360
			CCB	ppb		-0.001	2	
			CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.001	2	
Barium	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		0.018	0.2	
			CCV	ppb	120.0	103 %	90-110	
			CCB	ppb		0.059	0.2	
Beryllium	200.8	09/19/17:214164AC	CCV	ppb	120.0	111 %	90-110	360
			CCB	ppb		-0.020	0.2	
			CCV	ppb	120.0	99.5 %	90-110	
			CCB	ppb		-0.015	0.2	
Cadmium	200.8	09/19/17:214164AC	CCV	ppb	120.0	110 %	90-110	
			CCB	ppb		0.006	0.2	
			CCV	ppb	120.0	107 %	90-110	
			CCB	ppb		0.031	0.2	
Chromium	200.8	09/19/17:214164AC	CCV	ppb	120.0	108 %	90-110	
			CCB	ppb		0.006	1	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		-0.004	1	
Copper	200.8	09/19/17:214164AC	CCV	ppb	120.0	110 %	90-110	
			CCB	ppb		0.040	0.5	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.094	0.5	
Lead	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		-0.043	0.5	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.029	0.5	
Nickel	200.8	09/20/17:214239AC	CCV	ppb	120.0	99.4 %	90-110	
			CCB	ppb		0.008	1	
			CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.008	1	
Selenium	200.8	09/20/17:214239AC	CCV	ppb	120.0	101 %	90-110	
			CCB	ppb		0.07	1	
			CCV	ppb	120.0	108 %	90-110	
			CCB	ppb		0.06	1	
Silver	200.8	09/19/17:214164AC	CCV	ppb	120.0	104 %	90-110	
			CCB	ppb		0.0040	0.25	

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Metals								
Silver	200.8	09/19/17:214164AC	CCV	ppb	120.0	100 %	90-110	
			CCB	ppb		0.0280	0.25	
Thallium	200.8	09/19/17:214164AC	CCV	ppb	120.0	105 %	90-110	
			CCB	ppb		0.004	0.2	
			CCV	ppb	120.0	102 %	90-110	
			CCB	ppb		0.037	0.2	
Mercury	245.1	09/29/17:211748ac	Blank	ug/L		ND	<0.01	
			LCS	ug/L	0.2000	99.4 %	85-115	
			MS	ug/L	0.2000	93.5 %	75-125	
		(SP 1711091-001)	MSD	ug/L	0.2000	95.8 %	75-125	
			MSRPD	ug/L	0.2000	2.4%	≤20	
	245.1	09/29/17:214696AC	CCV	ppt	200.0	106 %	90-110	
			CCB	ppt		-6.7	20	
			CCV	ppt	200.0	106 %	90-110	
			CCB	ppt		-6.7	20	
Aluminum	3010	09/18/17:211156amb	Blank	ug/L		ND	<10	
			LCS	ug/L	40.00	100 %	85-115	
			MS	ug/L	40.00	68.8 %	75-125	435
		(CC 1783488-001)	MSD	ug/L	40.00	93.3 %	75-125	
			MSRPD	ug/L	40.00	10.8%	≤20.0	
			PDS	ug/L	40.00	85.0 %	75-125	
Antimony	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	104 %	85-115	
			MS	ug/L	40.00	104 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	2.8%	≤20.0	
			PDS	ug/L	40.00	102 %	75-125	
Arsenic	3010	09/18/17:211156amb	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	88.3 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	87.9 %	75-125	
			MSRPD	ug/L	40.00	0.4%	≤20	
			PDS	ug/L	40.00	88.3 %	75-125	
Barium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	111 %	85-115	
			MS	ug/L	40.00	100 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	110 %	75-125	
			MSRPD	ug/L	40.00	5.1%	≤20.0	
			PDS	ug/L	40.00	109 %	75-125	
Beryllium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	98.4 %	85-115	
			MS	ug/L	40.00	87.4 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	89.1 %	75-125	
			MSRPD	ug/L	40.00	2.0%	≤20.0	
			PDS	ug/L	40.00	88.3 %	75-125	
Cadmium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	114 %	85-115	
			MS	ug/L	40.00	101 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	98.5 %	75-125	
			MSRPD	ug/L	40.00	2.1%	≤20	
			PDS	ug/L	40.00	99.1 %	75-125	
Chromium	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	100 %	75-125	

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Metals								
Chromium	3010	(CC 1783488-001)	MSD	ug/L	40.00	98.7 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20	
			PDS	ug/L	40.00	98.6 %	75-125	
Copper	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	108 %	85-115	
			MS	ug/L	40.00	97.3 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	95.7 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20.0	
			PDS	ug/L	40.00	95.8 %	75-125	
Lead	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	109 %	85-115	
			MS	ug/L	40.00	104 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	101 %	75-125	
			MSRPD	ug/L	40.00	2.5%	≤20.0	
			PDS	ug/L	40.00	101 %	75-125	
Nickel	3010	09/18/17:211156amb	Blank	ug/L		ND	<1	
			LCS	ug/L	40.00	110 %	85-115	
			MS	ug/L	40.00	100 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	98.8 %	75-125	
			MSRPD	ug/L	40.00	1.6%	≤20	
			PDS	ug/L	40.00	99.2 %	75-125	
Selenium	3010	09/18/17:211156amb	Blank	ug/L		ND	<2	
			LCS	ug/L	40.00	108 %	80-120	
			MS	ug/L	40.00	85.1 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	84.5 %	75-125	
			MSRPD	ug/L	40.00	0.7%	≤20	
			PDS	ug/L	40.00	85.1 %	75-125	
Silver	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.25	
			LCS	ug/L	40.00	107 %	85-115	
			MS	ug/L	40.00	94.1 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	91.6 %	75-125	
			MSRPD	ug/L	40.00	2.7%	≤20.0	
			PDS	ug/L	40.00	92.3 %	75-125	
Thallium	3010	09/18/17:211156amb	Blank	ug/L		ND	<0.2	
			LCS	ug/L	40.00	109 %	85-115	
			MS	ug/L	40.00	103 %	75-125	
		(CC 1783488-001)	MSD	ug/L	40.00	100 %	75-125	
			MSRPD	ug/L	40.00	2.6%	≤20.0	
			PDS	ug/L	40.00	101 %	75-125	
Wet Chem								
Oil and Grease	1664A	09/25/17:211483AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	44.89	94.3 %	78-114	
			BS	mg/L	44.89	81.2 %	78-114	
			BSD	mg/L	44.89	84.0 %	78-114	
			BSRPD	mg/L	44.89	3.4%	≤18	
Color	2120B	(SP 1711220-006)	Dup	units		0.0	5	
	2120B	09/16/17:213960jmg	CCB	units		0.00	5.0	
			CCV	units	10.00	100 %	90-110	
Turbidity	2130B	(SP 1711294-005)	Dup	NTU		0.0010	0.1	
	2130B	09/16/17:213948AMB	CCV	NTU	10.00	100 %	90-110	
			CCB	NTU		0.084	0.1	
			CCV	NTU	10.00	100 %	90-110	
			CCB	NTU		0.087	0.1	
Odor	2150B	(SP 1711294-005)	Dup	TON		0.0	1	

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Wet Chem								
Chromium VI	218.6	09/18/17:211232JDD	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	100 %	90-110	
			MS	ug/L	2.000	78.2 %	75-125	
		(STK1751572-001)	MSD	ug/L	2.000	92.9 %	75-125	
			MSRPD	ug/L	2.000	2.8%	≤20	
			MS	ug/L	2.000	104 %	75-125	
		(CH 1777845-001)	MSD	ug/L	2.000	106 %	75-125	
			MSRPD	ug/L	2.000	1.8%	≤20	
	218.6	09/18/17:214067JDD	CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	102 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	101 %	95-105	
Alkalinity (as CaCO3)	2320B	(CH 1778099-001)	Dup	mg/L		7.9%	10	
	2320B	09/19/17:214076AMB	CCV	mg/L	234.9	92.7 %	90-110	
			CCV	mg/L	234.9	95.2 %	90-110	
Bicarbonate	2320B	(CH 1778099-001)	Dup	mg/L		7.7%	10	
Carbonate	2320B	(CH 1778099-001)	Dup	mg/L		0.0	10	
Hydroxide	2320B	(CH 1778099-001)	Dup	mg/L		0.0	10	
Conductivity	2510B	09/16/17:213955JMG	ICB	umhos/cm		0.50	1	
			CCV	umhos/cm	998.0	104 %	95-105	
			CCV	umhos/cm	998.0	100 %	95-105	
E. C.	2510B	09/16/17:211143jmg	Blank	umhos/cm		ND	<1	
		(SP 1711292-001)	Dup	umhos/cm		0.1%	5	
Total Dissolved Solids (TFR)	2540CE	09/19/17:211250CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	997.3	96.4 %	90-110	
		(SP 1711253-001)	Dup	mg/L		1.4%	5	
		(SP 1711253-002)	Dup	mg/L		2.5%	5	
Solids, Suspended	2540D	09/21/17:211390jba	Blank	mg/L		ND	<1	
			LCS	mg/L	50.14	101 %	61-112	
			LCS	mg/L	50.14	97.7 %	61-112	
		(VI 1744872-001)	Dup	mg/L		0.0%	20	
		(VI 1744872-003)	Dup	mg/L		0.0%	20	
Chloride	300.0	09/15/17:211341mca	Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	108 %	90-110	
			MS	mg/L	50.00	95.3 %	85-121	
		(SP 1711221-001)	MSD	mg/L	50.00	96.0 %	85-121	
			MSRPD	mg/L	10.00	0.5%	≤19	
			MS	mg/L	50.00	99.2 %	85-121	
		(VI 1744808-001)	MSD	mg/L	50.00	97.1 %	85-121	
			MSRPD	mg/L	10.00	1.4%	≤19	
	300.0	09/16/17:214206MCA	CCB	mg/L		0.12	1	
			CCV	mg/L	25.00	107 %	90-110	
			CCB	mg/L		0.00	1	
			CCV	mg/L	25.00	107 %	90-110	
Fluoride	300.0	09/15/17:211341mca	Blank	mg/L		ND	<0.1	
			LCS	mg/L	2.500	107 %	90-110	
			MS	mg/L	5.000	102 %	87-120	
		(SP 1711221-001)	MSD	mg/L	5.000	102 %	87-120	
			MSRPD	mg/L	10.00	0.6%	≤16	
			MS	mg/L	5.000	107 %	87-120	
		(VI 1744808-001)	MSD	mg/L	5.000	104 %	87-120	
			MSRPD	mg/L	10.00	1.9%	≤16	
	300.0	09/15/17:214206MCA	CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.500	107 %	90-110	

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Wet Chem								
Fluoride	300.0	09/15/17:214206MCA	CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.500	107 %	90-110	
Nitrate	300.0	09/15/17:211341mca	Blank	mg/L		ND	<1.8	
			LCS	mg/L	20.00	108 %	90-110	
			MS	mg/L	40.00	103 %	85-119	
		(SP 1711221-001)	MSD	mg/L	40.00	103 %	85-119	
			MSRPD	mg/L	10.00	0.4%	≤19	
			MS	mg/L	40.00	90.4 %	85-119	
		(VI 1744808-001)	MSD	mg/L	40.00	88.7 %	85-119	
			MSRPD	mg/L	10.00	0.9%	≤19	
	300.0	09/15/17:214206MCA	CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	108 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	107 %	90-110	
Nitrite	300.0	09/15/17:211341mca	Blank	mg/L		ND	<0.5	
			LCS	mg/L	15.00	107 %	90-110	
			MS	mg/L	30.00	102 %	74-126	
		(SP 1711221-001)	MSD	mg/L	30.00	103 %	74-126	
			MSRPD	mg/L	10.00	0.8%	≤20	
			MS	mg/L	30.00	107 %	74-126	
		(VI 1744808-001)	MSD	mg/L	30.00	105 %	74-126	
			MSRPD	mg/L	10.00	1.9%	≤20	
	300.0	09/15/17:214206MCA	CCB	mg/L		0.000	0.5	
			CCV	mg/L	15.00	107 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	15.00	107 %	90-110	
Sulfate	300.0	09/15/17:211341mca	Blank	mg/L		ND	<0.5	
			LCS	mg/L	50.00	109 %	90-110	
			MS	mg/L	100.0	95.7 %	82-124	
		(SP 1711221-001)	MSD	mg/L	100.0	96.4 %	82-124	
			MSRPD	mg/L	10.00	0.6%	≤23	
			MS	mg/L	100.0	103 %	82-124	
		(VI 1744808-001)	MSD	mg/L	100.0	101 %	82-124	
			MSRPD	mg/L	10.00	1.5%	≤23	
	300.0	09/16/17:214206MCA	CCB	mg/L		0.404	0.5	
			CCV	mg/L	50.00	108 %	90-110	
			CCB	mg/L		0.155	0.5	
			CCV	mg/L	50.00	108 %	90-110	
Perchlorate	314.0	09/22/17:211692MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	109 %	85-115	
			MS	ug/L	25.00	90.6 %	80-120	
		(SP 1711393-001)	MSD	ug/L	25.00	91.1 %	80-120	
			MSRPD	ug/L	25.00	0.6%	≤15	
	314.0	09/23/17:214659MCA	CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	103 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	109 %	85-115	
Nitrogen, Total Kjeldahl	351.2	09/29/17:211714jmg	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	84.6 %	80-120	
			MS	mg/L	12.00	36.6 %	54-136	435
		(STK1751994-001)	MSD	mg/L	12.00	26.8 %	54-136	435
			MSRPD	mg/L	12.00	30.7%	≤25	435
Chlorine	4500ClG	09/19/17:214094AMM	CCV	mg/L	0.9937	109 %	90-110	
			CCB	mg/L		-0.019	0.1	

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Wet Chem								
Chlorine	4500ClG	09/19/17:214094AMM	CCV	mg/L	0.9937	106 %	90-110	
			CCB	mg/L		-0.019	0.1	
Chlorine, Residual	4500ClG	(CC 1783088-001)	Dup	mg/L		0.0	0.1	
Cyanide	4500CNCE	09/26/17:214478AMM	CCV	mg/L	0.1000	105 %	90-110	
			CCB	mg/L		-0.00102	0.004	
			CCV	mg/L	0.1000	103 %	90-110	
			CCB	mg/L		-0.00102	0.004	
Cyanide, Total	4500CNCE	09/25/17:211482AMM	Blank	mg/L		ND	<0.004	
			LCS	mg/L	0.1000	97.8 %	90-110	
			LCS	mg/L	0.4000	103 %	90-110	
			MS	mg/L	0.05000	137 %	26-226	
		(STK1751728-001)	MSD	mg/L	0.05000	135 %	26-226	
			MSRPD	mg/L	0.05000	0.8%	≤36	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	110 %	70-130	
		(SP 1711327-002)	MSD	mg/L	2.000	114 %	70-130	
			MSRPD	mg/L	2.000	3.7%	≤20	
	4500NH3G	09/19/17:214057AMB	CCB	mg/L		-0.021	0.2	
			CCV	mg/L	2.000	97.0 %	90-110	
			CCB	mg/L		-0.195	0.2	
			CCV	mg/L	2.000	98.4 %	90-110	
Phosphorus	4500-P B	09/25/17:211523sjn	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	97.4 %	90-116	
			MS	mg/L	0.2800	80.0 %	25-292	
		(CC 1783468-001)	MSD	mg/L	0.2800	71.0 %	25-292	
			MSRPD	mg/L	0.2800	2.8%	≤13.2	
Total Phosphorus	4500PE	09/25/17:214428SJN	CCB	mg/L		-0.002	0.1	
			CCV	mg/L	0.5000	96.3 %	90-110	
			CCB	mg/L		-0.01	0.1	
			CCV	mg/L	0.5000	101 %	90-110	
BOD	5210B	09/15/17:211111KMM	RgBlk	mg/L		0.01	2	
			LCS	mg/L	198.0	108 %	84.6-115	
		(CH 1777661-001)	Dup	mg/L		7.6%	15.9	
		(CH 1777661-001)	Dup	mg/L		8.7%	15.9	
	5210B	09/21/17:214259kmm	CCV	mg/L	1.000	102 %	80-120	
			CCV	mg/L	1.000	102 %	80-120	
MBAS	5540C	09/16/17:214000AMM	CCB	mg/L		-0.0491	0.25	
			CCV	mg/L	1.000	107 %	90-110	
			CCB	mg/L		-0.0491	0.25	
			CCV	mg/L	1.000	107 %	90-110	
MBAS Extraction	5540C	09/16/17:211191AMM	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	110 %	86-114	
			BS	mg/L	0.5000	110 %	86-114	
			BSD	mg/L	0.5000	109 %	86-114	
			BSRPD	mg/L	0.5000	0.4%	≤5	
Nitrogen, Total Kjeldahl	EPA351.2	09/29/17:214726AMB	ICB	mg/L		0.000	0.5	
			ICV	mg/L	5.000	90.7 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	101 %	90-110	

Definition

PDS : PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte. Data was accepted based on the LCS recovery.
ICV : Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB : Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Definition	
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
<¼	: High Sample Background - Spike concentration was less than one forth of the sample concentration.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation	
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	10/06/17:215190aat	CCV	cpm	8678	41.7 %	35-47	
			CCB	cpm		0.1200	0.18	
Beta	900.0	10/06/17:215190aat	CCV	cpm	8678	88.6 %	83-94	
			CCB	cpm		0.3200	0.48	
Gross Alpha	900.0	10/04/17:211932aat	Blank	pCi/L		0.41	3	
			LCS	pCi/L	107.8	104 %	75-125	
			MS	pCi/L	107.8	110 %	60-140	
		(SP 1711265-001)	MSD	pCi/L	107.8	103 %	60-140	
			MSRPD	pCi/L	107.8	6.8%	≤30	
Gross Beta	900.0	10/04/17:211932aat	Blank	pCi/L		1.75	4	
			LCS	pCi/L	71.22	131 %	84-160	
			MS	pCi/L	71.22	153 %	80-130	435
		(SP 1711265-001)	MSD	pCi/L	71.22	133 %	80-130	435
			MSRPD	pCi/L	107.8	13.9%	≤30	
Alpha	903.0	10/02/17:215049aat	CCV	cpm	8307	40.7 %	37-46	
			CCB	cpm		0.0600	0.16	
Total Alpha Radium (226)	903.0	09/26/17:211575emv	RgBlk	pCi/L		0.03	2	
			LCS	pCi/L	21.85	66.9 %	52-107	
			BS	pCi/L	21.85	60.1 %	43-111	
			BSD	pCi/L	21.85	70.1 %	43-111	
			BSRPD	pCi/L	21.85	15.4%	≤35.5	
Tritium	906.0	09/23/17:211448elc	Blank	pCi/L		-18	<300	
			LCS	pCi/L	1650	93.9 %	75-125	
			BS	pCi/L	1650	87.2 %	75-125	
			BSD	pCi/L	1650	87.3 %	75-125	
			BSRPD	pCi/L	1650	1.7	≤300	
	906.0	09/24/17:214417elc	CCV	pCi/L	28420	104 %	90-110	
			CCB	pCi/L		316	500	
Alpha	908.0	10/17/17:215693AAT	CCV	cpm	8297	40.4 %	36-45	
			CCB	cpm		0.1200	0.16	
Uranium	908.0	10/12/17:212329rmm	RgBlk	pCi/L		0.15	1	
			LRS	pCi/L	21.48	93.0 %	54-105	
			BS	pCi/L	21.48	89.0 %	75-125	
			BSD	pCi/L	21.48	86.5 %	75-125	
			BSRPD	pCi/L	21.48	2.8%	≤20	
Beta	Ra - 05	10/10/17:215471emv	CCV	cpm	8675	89.3 %	84-94	
			CCB	cpm		0.4000	0.58	
Ra 228	Ra - 05	09/30/17:211715emv	RgBlk	pCi/L		-0.03	3	
			LRS	pCi/L	36.22	77.9 %	65-108	
			BS	pCi/L	36.22	98.4 %	75-125	
			BSD	pCi/L	36.22	97.8 %	75-125	
			BSRPD	pCi/L	36.22	0.7%	≤25	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

October 17, 2017 Lab ID : SP 1711294
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Radio

Definition	
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

September 28, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711294

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Bromate,Chlorite, Low-Level

Please note that this analysis was performed by Test America - Irvine (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-28

Enclosure

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-192432-1
Client Project/Site: SP 1711294 - (2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Authorized for release by:
9/28/2017 10:53:43 AM

Janice Hsu, Project Manager I
(949)261-1022
janice.hsu@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-192432-1	MCWP-04D	Water	09/15/17 11:40	09/19/17 09:00

Job ID: 440-192432-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-192432-1

Comments
No additional comments.

Receipt
The sample was received on 9/19/2017 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

HPLC/IC
Method(s) 300.1B: The following sample was diluted for the bromate analyte due to the nature of the sample matrix: MCWP-04D (440-192432-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

Client Sample ID: MCWP-04D
Date Collected: 09/15/17 11:40
Date Received: 09/19/17 09:00

Lab Sample ID: 440-192432-1
Matrix: Water

Method: 300.1B - Disinfection By-Products, (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		25	13	ug/L			09/21/17 16:29	5
Chlorite	ND		20		ug/L			09/21/17 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*94*		*90 - 115*		*09/21/17 15:53*	*1*
Dichloroacetic acid(Surr)	*97*		*90 - 115*		*09/21/17 16:29*	*5*

Method Summary

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

Method	Method Description	Protocol	Laboratory
300.1B	Disinfection By-Products, (IC)	EPA	TAL IRV

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

Client Sample ID: MCWP-04D
Date Collected: 09/15/17 11:40
Date Received: 09/19/17 09:00

Lab Sample ID: 440-192432-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.1B		1			430350	09/21/17 15:53	YZ	TAL IRV
Total/NA	Analysis	300.1B		5			430349	09/21/17 16:29	YZ	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 300.1B - Disinfection By-Products, (IC)

Lab Sample ID: MB 440-430349/5
Matrix: Water
Analysis Batch: 430349

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromate	ND		5.0	2.5	ug/L			09/21/17 14:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*97*		*90 - 115*		*09/21/17 14:40*	*1*

Lab Sample ID: LCS 440-430349/4
Matrix: Water
Analysis Batch: 430349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate			25.0	26.3		ug/L		105	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*96*		*90 - 115*

Lab Sample ID: MRL 440-430349/3
Matrix: Water
Analysis Batch: 430349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate			5.00	4.50	J	ug/L		90	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*100*		*90 - 115*

Lab Sample ID: 440-192395-A-3 MS
Matrix: Water
Analysis Batch: 430349

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromate	ND		50.0	59.9		ug/L		120	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*96*		*90 - 115*

Lab Sample ID: 440-192395-A-3 MSD
Matrix: Water
Analysis Batch: 430349

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromate	ND		50.0	58.5		ug/L		117	75 - 125	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*96*		*90 - 115*

Method: 300.1B - Disinfection By-Products, (IC) (Continued)

Lab Sample ID: MB 440-430350/5
Matrix: Water
Analysis Batch: 430350

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorite	ND		20		ug/L			09/21/17 14:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dichloroacetic acid(Surr)	*97*		*90 - 115*		*09/21/17 14:40*	*1*

Lab Sample ID: LCS 440-430350/4
Matrix: Water
Analysis Batch: 430350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorite	100	105		ug/L		105	85 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*96*		*90 - 115*

Lab Sample ID: MRL 440-430350/3
Matrix: Water
Analysis Batch: 430350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorite	20.0	ND		ug/L		99	10 - 200

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*100*		*90 - 115*

Lab Sample ID: 440-192395-A-3 MS
Matrix: Water
Analysis Batch: 430350

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorite	120		200	308		ug/L		95	75 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*96*		*90 - 115*

Lab Sample ID: 440-192395-A-3 MSD
Matrix: Water
Analysis Batch: 430350

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorite	120		200	335		ug/L		109	75 - 125	8	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dichloroacetic acid(Surr)	*96*		*90 - 115*

QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

HPLC/IC

Analysis Batch: 430349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-192432-1	MCWP-04D	Total/NA	Water	300.1B	
MB 440-430349/5	Method Blank	Total/NA	Water	300.1B	
LCS 440-430349/4	Lab Control Sample	Total/NA	Water	300.1B	
MRL 440-430349/3	Lab Control Sample	Total/NA	Water	300.1B	
440-192395-A-3 MS	Matrix Spike	Total/NA	Water	300.1B	
440-192395-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.1B	

Analysis Batch: 430350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-192432-1	MCWP-04D	Total/NA	Water	300.1B	
MB 440-430350/5	Method Blank	Total/NA	Water	300.1B	
LCS 440-430350/4	Lab Control Sample	Total/NA	Water	300.1B	
MRL 440-430350/3	Lab Control Sample	Total/NA	Water	300.1B	
440-192395-A-3 MS	Matrix Spike	Total/NA	Water	300.1B	
440-192395-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.1B	

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Accreditation/Certification Summary

Client: FGL Environmental
Project/Site: SP 1711294 - (2-25173)

TestAmerica Job ID: 440-192432-1

Laboratory: TestAmerica Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-18
Arizona	State Program	9	AZ0671	10-14-17 *
California	LA Cty Sanitation Districts	9	10256	06-30-18
California	State Program	9	CA ELAP 2706	06-30-18
Guam	State Program	9	Cert. No. 17-003R	01-23-18
Hawaii	State Program	9	N/A	01-29-18
Kansas	NELAP Secondary AB	7	E-10420	07-31-17 *
Nevada	State Program	9	CA015312018-1	07-31-18
New Mexico	State Program	6	N/A	01-29-18 *
Northern Mariana Islands	State Program	9	MP0002	01-29-17 *
Oregon	NELAP	10	4028	01-29-18
USDA	Federal		P330-15-00184	07-08-18
Washington	State Program	10	C900	09-03-18

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Subcontract to
Test America - Irvine

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711294 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Inorganic-Bromate,Chlorite, Low-Level Please include MDL Reporting 8oz(P)-Ethylenediamine								
5	MCWP-04D	09/15/17	11:40	G	MW				1								

440-192432 Chain of Custody

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/18/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
			Stephanie	9/19/17	900			

2.3/2.0 IR-84 BlueIce

GSO: 537649946

Page 13 of 14

9/28/2017

C16100

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 440-192432-1

Login Number: 192432

List Source: TestAmerica Irvine

List Number: 1

Creator: Fama, Sheri M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

September 28, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711294

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-EPA 547

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-09-28

Enclosure

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

Work Order Number: B7I1647
Received on Ice (Y/N): Yes Temp: 4 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

Lab Sample #	Client Sample ID	Matrix	Date Sampled	By	Date Submitted	By
B7I1647-01	MCWP-04D Grab	Water	09/15/17 11:40	Matt P./Ryan S.	09/19/17 08:41	Courier (GSO)

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

Work Order Number: B7I1647
Received on Ice (Y/N): Yes Temp: 4 °C

Laboratory Reference Number
B7I1647-01

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
MCWP-04D	Water	09/15/17 11:40	09/19/17 8:41

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Glyphosate by EPA 547							
Glyphosate	ND	25	ug/L	EPA 547	09/26/17 09:26	jhr	

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

Work Order Number: B7I1647
Received on Ice (Y/N): Yes Temp: 4 °C

Glyphosate by EPA 547 - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7I26084 - None										
Blank (7I26084-BLK1)				Prepared & Analyzed: 09/26/17						
Glyphosate	ND	25	ug/L							
LCS (7I26084-BS1)				Prepared & Analyzed: 09/26/17						
Glyphosate	83.5	25	ug/L	100		83.5	80-120			
LCS Dup (7I26084-BSD1)				Prepared & Analyzed: 09/26/17						
Glyphosate	167	25	ug/L	200		83.6	80-120	0.138	40	
Matrix Spike (7I26084-MS1)		**Source: B7I1647-01**		Prepared & Analyzed: 09/26/17						
Glyphosate	76.9	25	ug/L	100	ND	76.9	66-126			

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017

Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

Work Order Number: B7I1647
Received on Ice (Y/N): Yes Temp: 4 °C

Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit **(if MDL is reported)**, otherwise at or above the Reportable Detection Limit (RDL)
NR: Not Reported
RDL: Reportable Detection Limit
MDL: Method Detection Limit

* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted.

Nancy H. Boulineau For Cindy A. Waddell

cc:

e-Standard_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 28-Sep-2017

Analytical Report: Page 5 of 5
Project Name: FGL - 547 Glyphosate
Project Number: SP 1711294-(2-25173)

Work Order Number: B7I1647
Received on Ice (Y/N): Yes Temp: 4 °C

Subcontract to Babcock Laboratories, Inc.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711294 - (2-25173)**
Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Method of Sampling: Composite(C) Grab(G)
Type of Sample **SEE REVERSE SIDE**
Potable(P) Non-Potable(NP) Ag Water(AgW)
Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)
Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)
Sub Contracted-EPA 547
8oz(P)

Samp Num	Location Description	Date Sampled	Time Sampled	Map Ref.
5	MCWP-04D	09/15/17	11:40	

B7I1647 AB
SEP 19 2017

Remarks: 4°C

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/18/17	17:30	GSO	9/19/17	841			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO				9/19/17	841			

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

October 3, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711294

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted - Asbestos

Please note that this analysis was performed by LA Testing

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-03

Enclosure

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321722252
Customer ID: FGLE25
Customer PO:
Project ID:

Attn: Confirmations Log in
FGL Environmental
853 Corporation St
Santa Paula, CA 93060

Phone: (805) 392-2024
Fax:
Collected: 09/15/2017
Received: 09/19/2017
Analyzed: 10/03/2017

Proj: SP 1711294 - (2-25173)

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)	
5 321722252-0001	9/26/2017 02:20 PM	100	1288	0.0645	None Detected	ND	0.20	<0.20	0.00 - 0.74

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

MDL FOR THE TEM EPA 100.2 mETHOD (EPA 600/R-94/134) IS 0.2MFL

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Report amended: 10/03/2017 13:18:36 Replaces initial report from:10/03/2017 10:07:51 Reason Code: ADD A COMMENT

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

Subcontract to LA Testing

#321722252

OrderID: 321722252

#321722252

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711294 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Subcontracted - Asbestos-Drinking Water Please include MDL Reporting ***24 Hour Hold Time*** Sample Mon. - Thurs. Only*** ****Samples must be collected and rec'd at FGL by 3pm same day*** 32oz(P)
5	MCWP-04D	09/15/17	11:40	G	MW				1

Page 1 Of 1

Remarks: Okay to run Post HT - Please Perform UV Oxidation

Relinquished: [signature] Date: 9/18/17 Time: 17:30

Received By: GSO Date: ↓ Time: ↓

Relinquished: Date: Time:

Received By: [signature] FE Date: 9/19/17 Time: 1040

4°c

Relinquished: Date: Time:

Received By: Date: Time:

October 4, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711294

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Organic-EPA 525

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-04

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

ilac-MRA

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1807

Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
10/03/2017

EUROFINS EATON ANALYTICAL, INC.

NELAP ACCREDITED TNI LABORATORY ORELAP 4034

Report: 687330
Project: DRINKING
Group: ORGANICS - EPA 500's

MP6E: Alicia Del Carlo

Project Manager

* Accredited in accordance with TNI 2009 and ISO/IEC 17025:2005.
* Laboratory certifies that the test results meet all **TNI 2009 and ISO/IEC 17025:2005** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Michigan**	9906
Arizona	AZ0778	**Mississippi**	Certified
Arkansas	Certified	**Montana**	Cert 0035
California-Monrovia-ELAP	2813	**Nebraska**	Certified
California-Colton- ELAP	2812	**Nevada**	CA00006-2016
California-Folsom- ELAP	2820	**New Hampshire ***	2959
California-Fresno- ELAP	2966	**New Jersey ***	CA 008
Colorado	Certified	**New Mexico**	Certified
Connecticut	PH-0107	**New York ***	11320
Delaware	CA 006	**North Carolina**	06701
Florida *	E871024	**North Dakota**	R-009
Georgia	947	**Oregon (Primary AB) ***	**ORELAP 4034**
Guam	17-005R	**Pennsylvania ***	68-565
Hawaii	Certified	**Puerto Rico**	Certified
Idaho	Certified	**Rhode Island**	LAO00326
Illinois *	200033	**South Carolina**	87016
Indiana	C-CA-01	**South Dakota**	Certified
Iowa - Asbestos	413	**Tennessee**	TN02839
Kansas *	E-10268	**Texas ***	T104704230-16-11
Kentucky	90107	**Utah ***	CA000062017-11
Louisiana *	LA170009	**Vermont**	VT0114
Maine	CA0006	**Virginia ***	460260
Maryland	224	**Washington**	C838
Commonwealth of Northern Marianas Is.	MP0004	**EPA Region 5**	Certified
Massachusetts	M-CA006	**Los Angeles County Sanitation Districts**	10264

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 626-386-1101
www.EatonAnalytical.com

ISO 17025 Accredited Method List

The tests listed below are accredited and meet the requirements of ISO 17025 as verified by the ANSI-ASQ National Accreditation Board/ANAB.

Refer to Certificate and scope of accreditation (AT 1807) found at: http://www.eatonanalytical.com

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
Bicarbonate Alkalinity as HCO3	SM 2320B	x	x	x
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cryptosporidium	EPA 1623	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Giardia	EPA 1623	x		x
Glyphosate	EPA 547	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	CDC Legionella	x		x
Mercury	EPA 245.1	x	x	x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
NDMA	EPA 521	x		x
NDMA	TQ In house method based on EPA 521 (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphate	SM 4500P E			x
Ortho Phosphorous	SM 4500P E	x		
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Semi-VOC	EPA 625		x	x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-$S^{=}$ D		x	
Sulfite	SM 4500-SO^{3}B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2/EPA 524.3	x		x
VOC	EPA 624		x	x
VOC	EPA SW 846 8260	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x

eurofins | Eaton Analytical

Acknowledgement of Samples Received

Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 687330
Project: DRINKING (SP 1711294)
Sample Group: ORGANICS - EPA 500's

Project Manager: Alicia Del Carlo
Phone: 559-797-1931
Sampler: Matt P./Ryan S.

The following samples were received from you on **September 19, 2017** at **11:35**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, Inc..

Sample #	Sample ID	Sample Date
201709190311	TRAVEL BLANK - Hold	09/15/2017 1430
	@525_FGL_SHORT TBC	
201709190312	MCWP-04D	09/15/2017 1140
	@525_FGL_SHORT	

Test Description

@525_FGL_SHORT -- Semivolatiles by GCMS

@525_FGL_SHORT TBC -- Semivolatiles by GCMS

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

Subcontract to
Eurofins Eaton Analytical, Inc.

687330

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005
Phone: Fax:
Contact Person:
Project Name: **SP 1711294 - (2-25173)**
Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Organic-EPA 525 ***Run Travel Blank Only if Needed*** Please include MDL Reporting 1000ml(AGT)-HCl	Map Ref.
0	Travel Blank	09/15/17	14:30	G	LBW				1	
5	MCWP-04D	09/15/17	11:40	G	MW				1	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
TA	9/18/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
G50	09/15/17			9/19/17	1135			

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INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 687330

SAMPLES REC'D DAY OF COLLECTION? ☐

SAMPLE TEMP RECEIVED:

IR Gun ID = 570 (Observation= 4.1 °C) (Corr.Factor +0.2 °C) (Final = 4.3 °C)

TYPE OF ICE: Real ✓ Synthetic ✓ No Ice ___ CONDITION OF ICE: Frozen ___ Partially Frozen ✓ Thawed ___ N/A ___

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GSO

Compliance Acceptance Criteria:

1) Chemistry: >0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) Microbiology, Surface Water: < 10°C (If received after 2 hours of sample collection)

- If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation= ___ °C) (Corr.Factor ___ °C) (Final= ___ °C)	2 = (Observation= ___ °C) (Corr.Factor ___ °C) (Final= ___ °C)
3 = (Observation= ___ °C) (Corr.Factor ___ °C) (Final= ___ °C)	4 = (Observation= ___ °C) (Corr.Factor ___ °C) (Final= ___ °C)

4) UCMR3 : (non-GLEC) 524.3: (Observation= ___ °C) (Corr.Factor ___ °C) (Final = ___ °C)

522: (Observation= ___ °C) (Corr.Factor ___ °C) (Final = ___ °C)

≤10°C if received within 48 hours of sample collection (not the same business day); ≤ 6°C if received after 48 hours of sample collection. Measure temperature for each method above.

5) LT2: Giardia /Cryptosporidium: <20 °C, not frozen (received after 8 hours of sample collection)

E. Coli: < 10°C, not frozen (If received after 2 hours of sample collection)

Giardia/Crypto: (Observation= ___ °C) (Corr.Factor ___ °C) (Final = ___ °C)

E.Coli: (Observation= ___ °C) (Corr.Factor ___ °C) (Final = ___ °C)

6) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

RECEIVED BY: SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
	Theodore Nga	Eurofins Eaton Analytical	5/19/17	1135

GSO

800-322-5555
www.gso.com

Ship From
FRUIT GROWERS LABORATORY, INC.
BRANDON QUELL
853 CORPORATION ST
SANTA PAULA, CA 93060

Ship To
EUROFINS EATON ANALYTICAL
ATTN: MONICA VANNATTA
750 ROYAL OAKS DRIVE STE#100
MONROVIA, CA 91016

COD: $0.00
Weight: 22 lb(s)
Reference:
SP1711294-9/18/17-BQ
Delivery Instructions:

Signature Type: REQUIRED

Tracking #: 537650024 **PDS**

NWK **E**
MONROVIA

D91006A

72381467

Print Date: 9/18/2017 4:16 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

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Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 687330
Project: DRINKING (SP 1711294)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

The Comments Report may be blank if there are no comments for this report.

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Laboratory Hits

Report: 687330
Project: DRINKING (SP 1711294)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/19/2017 11:35

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

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Laboratory Data

Report: 687330
Project: DRINKING (SP 1711294)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
09/19/2017 11:35

Prepared	Analyzed	Prep Batch	Analyze Batch	Method	Analyte	Result	Units	MDL	MRL	Dilution
MCWP-04D (201709190312)							**Sampled on 09/15/2017 1140**			
				EPA 525.2 - Semivolatiles by GCMS						
09/27/17	09/29/17 18:51	1030614	1031798	(EPA 525.2)	Benzo(a)pyrene	ND	ug/L	0.011	0.02	1
09/27/17	09/29/17 18:51	1030614	1031798	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.063	0.6	1
09/27/17	09/29/17 18:51	1030614	1031798	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	ND	ug/L	0.15	0.6	1
09/27/17	09/29/17 18:51	1030614	1031798	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	106	%			1
09/27/17	09/29/17 18:51	1030614	1031798	(EPA 525.2)	Acenaphthene-d10	82	%			1
09/27/17	09/29/17 18:51	1030614	1031798	(EPA 525.2)	Chrysene-d12	61	%			1
09/27/17	09/29/17 18:51	1030614	1031798	(EPA 525.2)	Perylene-d12	82	%			1
09/27/17	09/29/17 18:51	1030614	1031798	(EPA 525.2)	Phenanthrene-d10	72	%			1

Rounding on totals after summation.
(c) - Indicates calculated results.
ND - Analyte was not detected at the calculated MDL.
J - The analyte was either detected at or greater than the MDL and less than the MRL, or did not meet any one of the required QC criteria.

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Laboratory QC Summary

Report: 687330
Project: DRINKING (SP 1711294)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

Semivolatiles by GCMS

Prep Batch: 1030614 **Analytical Batch: 1031798** **Analysis Date: 09/29/2017**

201709190311	TRAVEL BLANK - Hold	Analyzed by: KAM
201709190312	MCWP-04D	Analyzed by: KAM

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Report: 687330
Project: DRINKING (SP 1711294)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
Semivolatiles by GCMS by EPA 525.2									
Prep Batch: 1030614 Analytical Batch: 1031798							**Analysis Date: 09/29/2017**		
LCS1	1,3-Dimethyl-2-nitrobenzene (S)			108	%	108	(70-130)		
MBLK	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
MRL_CHK	1,3-Dimethyl-2-nitrobenzene (S)			106	%	106	(70-130)		
MS_201709250229	1,3-Dimethyl-2-nitrobenzene (S)			104	%	104	(70-130)		
MSD_201709250229	1,3-Dimethyl-2-nitrobenzene (S)			105	%	105	(70-130)		
LCS1	Acenaphthene-d10 (I)			89.8	%	90	(50-150)		
MBLK	Acenaphthene-d10 (I)			99.0	%	99	(50-150)		
MRL_CHK	Acenaphthene-d10 (I)			78.2	%	78	(50-150)		
MS_201709250229	Acenaphthene-d10 (I)			88.2	%	88	(50-150)		
MSD_201709250229	Acenaphthene-d10 (I)			86.4	%	86	(50-150)		
LCS1	Benzo(a)pyrene		2	1.96	ug/L	98	(70-130)		
MBLK	Benzo(a)pyrene			<0.01	ug/L				
MRL_CHK	Benzo(a)pyrene		0.02	0.0150	ug/L	75	(50-150)		
MS_201709250229	Benzo(a)pyrene	ND	2	1.85	ug/L	92	(70-130)		
MSD_201709250229	Benzo(a)pyrene	ND	2	1.86	ug/L	93	(70-130)	20	1.1
LCS1	Chrysene-d12 (I)			76.7	%	77	(50-150)		
MBLK	Chrysene-d12 (I)			84.8	%	85	(50-150)		
MRL_CHK	Chrysene-d12 (I)			67.2	%	67	(50-150)		
MS_201709250229	Chrysene-d12 (I)			79.5	%	80	(50-150)		
MSD_201709250229	Chrysene-d12 (I)			79.7	%	80	(50-150)		
LCS1	Di-(2-Ethylhexyl)adipate		2	2.01	ug/L	100	(70-130)		
MBLK	Di-(2-Ethylhexyl)adipate			<0.15	ug/L				
MRL_CHK	Di-(2-Ethylhexyl)adipate		0.3	0.261	ug/L	87	(50-150)		
MS_201709250229	Di-(2-Ethylhexyl)adipate	ND	2	2.25	ug/L	113	(70-130)		
MSD_201709250229	Di-(2-Ethylhexyl)adipate	ND	2	2.07	ug/L	104	(70-130)	20	8.3
LCS1	Di(2-Ethylhexyl)phthalate		2	2.21	ug/L	111	(70-130)		
MBLK	Di(2-Ethylhexyl)phthalate			<0.15	ug/L				
MRL_CHK	Di(2-Ethylhexyl)phthalate		0.6	0.634	ug/L	106	(50-150)		
MS_201709250229	Di(2-Ethylhexyl)phthalate	ND	2	2.40	ug/L	120	(70-130)		
MSD_201709250229	Di(2-Ethylhexyl)phthalate	ND	2	2.21	ug/L	111	(70-130)	20	8.2
LCS1	Perylene-d12 (S)			87.6	%	88	(70-130)		
MBLK	Perylene-d12 (S)			76.1	%	76	(70-130)		
MRL_CHK	Perylene-d12 (S)			80.5	%	81	(70-130)		
MS_201709250229	Perylene-d12 (S)			82.7	%	83	(70-130)		
MSD_201709250229	Perylene-d12 (S)			83.0	%	83	(70-130)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

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Report: 687330
Project: DRINKING (SP 1711294)
Group: ORGANICS - EPA 500's

FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
LCS1	Phenanthrene-d10 (I)			83.0	%	83	(50-150)		
MBLK	Phenanthrene-d10 (I)			94.4	%	94	(50-150)		
MRL_CHK	Phenanthrene-d10 (I)			72.6	%	73	(50-150)		
MS_201709250229	Phenanthrene-d10 (I)			82.6	%	83	(50-150)		
MSD_201709250229	Phenanthrene-d10 (I)			82.9	%	83	(50-150)		

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

October 4, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711294

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-04

Enclosure

October 04, 2017

Vista Work Order No. 1701282

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on September 19, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'SP 1711294-(2-25173)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1701282
Case Narrative

Sample Condition on Receipt:

One monitoring well sample was received in good condition and within the method temperature requirements. The sample was received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

EPA Method 1613

This sample was extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613 using a ZB-5MS GC column.

Holding Times

The sample was extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701282-01	MCWP-04D	15-Sep-17 11:40	19-Sep-17 11:25	Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank — **EPA Method 1613B**

Matrix:	Aqueous	QC Batch:	B7I0161	Lab Sample:	B7I0161-BLK1
Sample Size:	1.00 L	Date Extracted:	29-Sep-2017 10:00	Date Analyzed :	03-Oct-17 17:18 Column: ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	5.00	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	88.7	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	100	42 - 164	

MDL - Method detection limit
RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit
Results reported to MDL.

Sample ID:	**OPR**						**EPA Method 1613B**
Matrix:	Aqueous	QC Batch:	B7I0161	Lab Sample:	B7I0161-BS1		
Sample Size:	1.00 L	Date Extracted:	29-Sep-2017 10:00	Date Analyzed:	03-Oct-17 15:41	Column:	ZB-5MS

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits
2,3,7,8-TCDD	191	200	95.4	73 - 146

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	95.5	25 - 141
CRS	37Cl-2,3,7,8-TCDD	111	37 - 158

LCL-UCL - Lower control limit - upper control limit

Sample ID: MCWP-04D

EPA Method 1613B

Client Data		Sample Data		Laboratory Data			
Name:	FGL Environmental, Inc.	Matrix:	Monitoring Well	Lab Sample:	1701282-01	Date Received:	19-Sep-2017 11:25
Project:	SP 1711294-(2-25173)	Sample Size:	1.02 L	QC Batch:	B7I0161	Date Extracted:	29-Sep-2017 10:00
Date Collected:	15-Sep-2017 11:40			Date Analyzed :	04-Oct-17 00:35	Column:	ZB-5MS

Analyte	Conc. (pg/L)	RL	MDL	Qualifiers
2,3,7,8-TCDD	ND	4.90	1.08	

	Labeled Standard	%R	LCL-UCL	Qualifiers
IS	13C-2,3,7,8-TCDD	88.3	31 - 137	
CRS	37Cl-2,3,7,8-TCDD	110	42 - 164	

MDL - Method detection limit

RL - Reporting limit

LCL-UCL- Lower control limit - upper control limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

B	**This compound was also detected in the method blank.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Reporting Limit/LOQ.**
M	**Estimated Maximum Possible Concentration. (CA Region 2 projects only)**
*****	**See Cover Letter**
Conc.	**Concentration**
NA	**Not applicable**
ND	**Not Detected**
TEQ	**Toxic Equivalency**
U	**Not Detected (specific projects only)**

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Subcontract to
Vista Analytical Laboratory

1701282 4.4°C

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711294 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Subcontracted-Dioxin, 2,3,7,8-TCDD by EPA 1613 Please include MDL Reporting 1000ml(AGT)										Map Ref.
5	MCWP-04D	09/15/17	11:40	G	MW				21										

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	9/18/17	17:30	GSO					
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GSO	2	2	[signature]	9/19/17	1147			

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1701282 **TAT** 8Td

Samples Arrival:	**Date/Time** 9/19/17 11:25	**Initials:** IA	**Location:** WR-2 **Shelf/Rack:** N/a
Logged In:	**Date/Time** 09/21/17 0607	**Initials:** VJB MMS	**Location:** WR-2 **Shelf/Rack:** B

Delivered By:	FedEx	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Dry Ice		None

Temp °C: 4.3 (uncorrected)	**Time:** 11:30	**Thermometer ID:** IR-1
Temp °C: 4.4 (corrected)	**Probe used:** Yes☐ No☒	

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			✓
Shipping Documentation Present?	✓		
Airbill — Trk # 537649836	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	✓

If Chlorinated or Drinking Water Samples, Acceptable Preservation?							✓
Preservation Documented:	$Na_2S_2O_3$	Trizma	None			Yes	No	NA
Shipping Container	Vista		Client	Retain	Return		Dispose	

Comments:

October 6, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analysis for FGL Lab No. SP 1711294

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium 90 by EPA 905.0

Please note that this analysis was performed by Test America- St. Louis Missouri

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-06

Enclosure

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

TestAmerica Job ID: 160-24556-1
Client Project/Site: SP 1711294-(2-25173)

For:
FGL Environmental
853 Corporation Street
Santa Paula, California 93060-3005

Attn: Mrs. Cindy Aguirre

Rhonda Ridenhower

Authorized for release by:
10/5/2017 4:38:18 PM

Rhonda Ridenhower, Manager of Project Management
(314)298-8566
rhonda.ridenhower@testamericainc.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 160-24556-1

Laboratory: TestAmerica St. Louis

Narrative

CASE NARRATIVE

Client: FGL Environmental

Project: SP 1711294-(2-25173)

Report Number: 160-24556-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica St. Louis attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 09/19/2017; the samples arrived in good condition, properly preserved. The temperature of the coolers at receipt was 20.0 C.

STRONTIUM-90 (GFPC)

Sample MCWP-04D (160-24556-1) was analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 09/26/2017 and analyzed on 10/04/2017.

Insufficient sample volume was available to perform a sample duplicate (DU). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.
MCWP-04D (160-24556-1)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Subcontract to
Test America- St. Louis Missouri

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711294 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Strontium 90 by EPA 905.0 "With 7-Day In-Growth" 8oz(P)									
5	MCWP-04D	09/15/17	11:40	G	MW				1									

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/18/17	17:30	UPS					
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
UPS Next Day	↓	↓		9/19/17	0830			

10/5/2017

Login Sample Receipt Checklist

Client: FGL Environmental

Job Number: 160-24556-1

Login Number: 24556
List Number: 1
Creator: Taylor, Kristene N

List Source: TestAmerica St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

Method	Method Description	Protocol	Laboratory
905	Strontium-90 (GFPC)	EPA	TAL SL

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SL = TestAmerica St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-24556-1	MCWP-04D	Water	09/15/17 11:40	09/19/17 08:30

Client Sample ID: MCWP-04D
Date Collected: 09/15/17 11:40
Date Received: 09/19/17 08:30

Lab Sample ID: 160-24556-1
Matrix: Water

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.668		0.298	0.303	3.00	0.434	pCi/L	09/26/17 13:00	10/04/17 10:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*86.5*		*40 - 110*	*09/26/17 13:00*	*10/04/17 10:54*	*1*
Y Carrier	*91.6*		*40 - 110*	*09/26/17 13:00*	*10/04/17 10:54*	*1*

Method: 905 - Strontium-90 (GFPC)

Lab Sample ID: MB 160-329041/1-A
Matrix: Water
Analysis Batch: 330233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 329041

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.2268	U	0.241	0.241	3.00	0.393	pCi/L	09/26/17 13:00	10/04/17 10:53	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*86.5*		*40 - 110*	*09/26/17 13:00*	*10/04/17 10:53*	*1*
Y Carrier	*89.7*		*40 - 110*	*09/26/17 13:00*	*10/04/17 10:53*	*1*

Lab Sample ID: LCS 160-329041/2-A
Matrix: Water
Analysis Batch: 330233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 329041

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Strontium-90			11.2	11.66		1.21	3.00	0.353	pCi/L	104	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Sr Carrier	*86.6*		*40 - 110*
Y Carrier	*90.1*		*40 - 110*

Lab Sample ID: LCSD 160-329041/3-A
Matrix: Water
Analysis Batch: 330233

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 329041

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Strontium-90			11.2	11.12		1.16	3.00	0.368	pCi/L	100	75 - 125	0.23	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Sr Carrier	*88.6*		*40 - 110*
Y Carrier	*89.7*		*40 - 110*

QC Association Summary

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

Rad

Prep Batch: 329041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-24556-1	MCWP-04D	Total/NA	Water	PrecSep-7	
MB 160-329041/1-A	Method Blank	Total/NA	Water	PrecSep-7	
LCS 160-329041/2-A	Lab Control Sample	Total/NA	Water	PrecSep-7	
LCSD 160-329041/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-7	

Tracer/Carrier Summary

Client: FGL Environmental
Project/Site: SP 1711294-(2-25173)

TestAmerica Job ID: 160-24556-1

Method: 905 - Strontium-90 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Sr (C) (40-110)	Y (40-110)
160-24556-1	MCWP-04D	86.5	91.6
LCS 160-329041/2-A	Lab Control Sample	86.6	90.1
LCSD 160-329041/3-A	Lab Control Sample Dup	88.6	89.7
MB 160-329041/1-A	Method Blank	86.5	89.7

Tracer/Carrier Legend

Sr (C) = Sr Carrier
Y = Y Carrier

October 24, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Subject: Subcontract Analyses for FGL Lab No. SP 1711297

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-EstradiolPharma Positive:Caffiene, DEET, SucralosePharma Negative: Triclosan
- Sub Contracted-EPA 1625M NDMA

Please note that this analysis was performed by Weck Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2017-10-24

Enclosure

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 7I19011

Project: SP 1711297-(2-25173)

Attn: Cindy Aguirre

Client: FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Report Date: 10/24/2017
Received Date: 9/19/2017
Turnaround Time: Normal
Phones: (805) 392-2012
Fax: (805) 525-4172
P.O. #:
Billing Code:

DoD-ELAP #L2457 ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● Guam-EPA #17-008R ● HW-DOH # ● ISO 17025 #L2457.01 ● LACSD #10143 ● NELAP-OR #4047 ● NJ-DEP #CA015 ● SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Cindy Aguirre,

Enclosed are the results of analyses for samples received 9/19/17 with the Chain-of-Custody document. The samples were received in good condition, at 1.6 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Regina Giancola
Project Manager

14859 East Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Project Number: SP 1711297-(2-25173)

Project Manager: Cindy Aguirre

Reported:
10/24/2017 11:33

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
MCWP-04D	Matt P./ Ryan S.	7I19011-01	Water	09/15/17 11:40	

14859 East Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Project Number: SP 1711297-(2-25173)

Project Manager: Cindy Aguirre

Reported: 10/24/2017 11:33

Sample Results

Sample: MCWP-04D

7I19011-01 (Water)

Sampled: 09/15/17 11:40 by Matt P./ Ryan S.

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M	**Batch ID:** W7I1063		**Prepared:** 09/19/17 12:05				**Analyst:** smr
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l	1	09/21/17 17:05	
PPCPs - Hormones by LC/MSMS-APCI							
Method: EPA 1694M-APCI	**Batch ID:** W7I1388		**Prepared:** 09/25/17 09:56				**Analyst:** kan
17-b-Estradiol	ND	0.31	1.0	ng/l	1	10/04/17 02:51	
PPCPs - Pharmaceuticals by LC/MSMS-ESI-							
Method: EPA 1694M-ESI-	**Batch ID:** W7I1389		**Prepared:** 09/25/17 09:57				**Analyst:** kan
Bisphenol A	**0.95**	0.27	1.0	ng/l	1	09/29/17 04:14	J
Diclofenac	ND	0.26	1.0	ng/l	1	09/29/17 04:14	
Gemfibrozil	ND	0.080	1.0	ng/l	1	09/29/17 04:14	
Ibuprofen	ND	0.39	1.0	ng/l	1	09/29/17 04:14	
Iopromide	ND	1.8	5.0	ng/l	1	09/29/17 04:14	
Triclosan	ND	1.2	2.0	ng/l	1	09/29/17 04:14	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+							
Method: EPA 1694M-ESI+	**Batch ID:** W7I1387		**Prepared:** 09/25/17 09:53				**Analyst:** kan
Caffeine	**0.87**	0.31	1.0	ng/l	1	10/21/17 05:41	J
DEET	**0.74**	0.060	1.0	ng/l	1	10/14/17 12:47	J
Sucralose	**26**	5.0	5.0	ng/l	1	10/21/17 05:41	

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www.wecklabs.com

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Project Number: SP 1711297-(2-25173)

Project Manager: Cindy Aguirre

Reported: 10/24/2017 11:33

Quality Control Results

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W7I1063 - EPA 1625M											
Blank (W7I1063-BLK1)					**Prepared: 09/19/17 Analyzed: 09/21/17**						
N-Nitrosodimethylamine	ND	0.50	2.0	ng/l							
LCS (W7I1063-BS1)					**Prepared: 09/19/17 Analyzed: 09/21/17**						
N-Nitrosodimethylamine	3.52	0.50	2.0	ng/l	3.00		117	50-150			
LCS Dup (W7I1063-BSD1)					**Prepared: 09/19/17 Analyzed: 09/21/17**						
N-Nitrosodimethylamine	3.53	0.50	2.0	ng/l	3.00		118	50-150	0.3	50	

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W7I1388 - EPA 1694M-APCI											
Blank (W7I1388-BLK1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	ND	0.31	1.0	ng/l							
LCS (W7I1388-BS1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	11.9	0.31	1.0	ng/l	10.0		119	65-146			
LCS Dup (W7I1388-BSD1)					**Prepared: 09/25/17 Analyzed: 10/03/17**						
17-b-Estradiol	11.8	0.31	1.0	ng/l	10.0		118	65-146	0.8	30	

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W7I1389 - EPA 1694M-ESI-											
Blank (W7I1389-BLK1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	3.11	0.27	1.0	ng/l							B
Diclofenac	ND	0.26	1.0	ng/l							
Gemfibrozil	ND	0.080	1.0	ng/l							
Ibuprofen	ND	0.39	1.0	ng/l							
Iopromide	ND	1.8	5.0	ng/l							
Triclosan	ND	1.2	2.0	ng/l							
LCS (W7I1389-BS1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	15.8	0.27	1.0	ng/l	10.0		158	53-168			
Diclofenac	24.6	0.26	1.0	ng/l	10.0		246	37-218			Q-08
Gemfibrozil	12.1	0.080	1.0	ng/l	10.0		121	76-122			
Ibuprofen	19.8	0.39	1.0	ng/l	10.0		198	67-139			Q-08
Iopromide	63.3	1.8	5.0	ng/l	50.0		127	0.1-163			
Naproxen	16.7	0.25	1.0	ng/l	10.0		167	64-138			Q-08
Salicylic Acid	124	0.86	50	ng/l	100		124	56-229			
Triclosan	12.1	1.2	2.0	ng/l	10.0		121	76-139			
LCS Dup (W7I1389-BSD1)					**Prepared: 09/25/17 Analyzed: 09/29/17**						
Bisphenol A	16.2	0.27	1.0	ng/l	10.0		162	53-168	3	30	

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www.wecklabs.com

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Project Number: SP 1711297-(2-25173)

Project Manager: Cindy Aguirre

Reported:
10/24/2017 11:33

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI- (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W7I1389 - EPA 1694M-ESI- (Continued)											
LCS Dup (W7I1389-BSD1)					**Prepared: 09/25/17**	**Analyzed: 09/29/17**					
Diclofenac	22.3	0.26	1.0	ng/l	10.0		223	37-218	10	30	Q-08
Gemfibrozil	11.9	0.080	1.0	ng/l	10.0		119	76-122	2	30	
Ibuprofen	18.0	0.39	1.0	ng/l	10.0		180	67-139	10	30	Q-08
Iopromide	57.4	1.8	5.0	ng/l	50.0		115	0.1-163	10	30	
Naproxen	16.8	0.25	1.0	ng/l	10.0		168	64-138	0.6	30	Q-08
Salicylic Acid	125	0.86	50	ng/l	100		125	56-229	0.8	30	
Triclosan	11.9	1.2	2.0	ng/l	10.0		119	76-139	2	30	

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W7I1387 - EPA 1694M-ESI+											
Blank (W7I1387-BLK1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	0.980	0.060	1.0	ng/l							J
Blank (W7I1387-BLK2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	0.325	0.31	1.0	ng/l							QC-2, J
LCS (W7I1387-BS1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	11.9	0.060	1.0	ng/l	10.0		119	45-135			
LCS (W7I1387-BS2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	10.7	0.31	1.0	ng/l	10.0		107	55-152			QC-2
LCS Dup (W7I1387-BSD1)					**Prepared: 09/25/17**	**Analyzed: 10/14/17**					
DEET	13.5	0.060	1.0	ng/l	10.0		135	45-135	13	30	
LCS Dup (W7I1387-BSD2)					**Prepared: 09/25/17**	**Analyzed: 10/21/17**					
Caffeine	12.6	0.31	1.0	ng/l	10.0		126	55-152	16	30	QC-2

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www.wecklabs.com

FGL Environmental
853 Corporation Street
Santa Paula, CA 93060

Project Number: SP 1711297-(2-25173)

Project Manager: Cindy Aguirre

Reported:
10/24/2017 11:33

Notes and Definitions

Item	Definition
B	Blank contamination. The analyte was found in the associated blank as well as in the sample.
J	Estimated conc. detected <MRL and >MDL.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.
An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)
All results are expressed on wet weight basis unless otherwise specified.
All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

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WECK LABORATORIES, INC.

Sample Receipt

WORK ORDER: 7I19011
Client: FGL Environmental
Project: PPCP-EDC

Printed: 9/20/2017 6:05:15PM
Project Manager: Regina Giancola
Project Number: SP 1711297-(2-25173)

Report To:
FGL Environmental
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2012
Fax: (805) 525-4172

Invoice To:
FGL Environmental
Accounts Payable - Jackie Barnes
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 392-2038
Fax: (805) 525-4172

Date Due: 10/10/17 09:00 (15 day TAT)
Received By: Lester K. Abad
Logged In By: Lester K. Abad

Date Received: 09/19/17 09:06
Date Logged In: 09/19/17 09:36

Samples Received at:	**1.6°C**				
All containers intact:	**Yes**	Sample labels & COC agree	**Yes**	Sufficient holding time for all tests	**Yes**
Custody Seals	**No**	Samples preserved properly	**Yes**	Received on Ice	**Yes**
Chain of custody completed	**Yes**	Sample volume sufficient	**Yes**	Appropriate sample containers	**Yes**

Samples

Analysis	Expires	Analysis Comments
7I19011-01 Sample Name: MCWP-04D [Water] Sampled 9/15/2017 11:40		
NDMA	09/22/17 11:40	
PPCP Hormones	10/13/17 11:40	
PPCP Pharma-Negative	10/13/17 11:40	
PPCP Pharma-Positive	10/13/17 11:40	

Regina Giancola 9/20/2017

Authorized Signature Date

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
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Subcontract to
Weck Laboratories, Inc.

FI19011

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 1711297 - (2-25173)**

Purchase Order Number:

Sampler(s) Matt P./Ryan S.

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-PPCP-EPA 1694M Hormones: 17-b-Estradiol Pharma Positive:Caffiene, DEET, Sucralose Pharma Negative: Triclosan Order containers from Weck 2x 1L Amber w/ Sodium Azide **Please include MDL Reporing** Other(AGT)	Sub Contracted-EPA 1625M NDMA **Please include MDL Reporing** 500ml(AGT)	Map Ref.
5	MCWP-04D	09/15/17	11:40	G	MW				2	2	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	9/18/17	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
G50				9/19/17	9:06			

1-6C

September 28, 2017

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1711309
Customer : 2-25173

Laboratory Report

Introduction: This report package contains total of 3 pages divided into 3 sections:

Case Narrative	(1 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
MCWP-MW05	09/15/2017	09/16/2017	SP 1711309-015	MW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Wet Chemistry QC

2540CE	09/20/2017:211317 All preparation quality controls are within established criteria
300.0	09/15/2017:214206 All analysis quality controls are within established criteria
	09/15/2017:211341 All preparation quality controls are within established criteria

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2017-09-28

KD:DMB

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September 28, 2017

Lab ID : SP 1711309-015
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : September 15, 2017-16:15
Sampled By : Matt Pendleton / Rya
Received On : September 16, 2017-:
Matrix : Monitoring Well

Description : MCWP-MW05
Project : Malibu WWTP - Baseline GWM

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	2.40	0.1	0.00080	mg/L	1		300.0	211341	09/15/17 18:30	300.0	214206-IC210	09/15/17-23:20MCA
Total Dissolved Solids (TFR)	1410	20	5.8	mg/L	1		2540CE	211317	09/20/17 11:35	2540C	214223-WT219	09/21/17-10:44AMB

ND=Non-Detected. PQL=Practical Quantitation Limit.

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September 28, 2017 Lab ID : SP 1711309
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Total Dissolved Solids (TFR)	2540CE	09/20/17:211317CTL	Blank	mg/L		4.1	20	
			LCS	mg/L	997.3	96.8 %	90-110	
		(STK1751994-001)	Dup	mg/L		2.3%	5	
		(STK1751994-002)	Dup	mg/L		1.5%	5	
Nitrate	300.0	09/15/17:211341mca	Blank	mg/L		ND	<1.8	
			LCS	mg/L	20.00	108 %	90-110	
			MS	mg/L	40.00	103 %	85-119	
		(SP 1711221-001)	MSD	mg/L	40.00	103 %	85-119	
			MSRPD	mg/L	10.00	0.4%	≤19	
			MS	mg/L	40.00	90.4 %	85-119	
		(VI 1744808-001)	MSD	mg/L	40.00	88.7 %	85-119	
			MSRPD	mg/L	10.00	0.9%	≤19	
	300.0	09/15/17:214206MCA	CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	108 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	20.00	107 %	90-110	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

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January 8, 2018

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

SP 1715972:1-10 **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 1715972-001	N-001	Source-Other	Jaime McClain	Not Available	12/28/2017 11:00	12/28/2017 15:08 lm	12/31/2017 lm
2	SP 1715972-002	N-002	Source-Other	Jaime McClain	Not Available	12/28/2017 10:35	12/28/2017 15:10 lm	12/30/2017 lm
3	SP 1715972-003	N-003	Source-Other	Jaime McClain	Not Available	12/28/2017 10:00	12/28/2017 15:12 lm	12/31/2017 lm
4	SP 1715972-004	N-004	Source-Other	Jaime McClain	Not Available	12/28/2017 11:53	12/28/2017 15:14 lm	12/31/2017 lm
5	SP 1715972-005	L-001	Source-Other	Jaime McClain	Not Available	12/28/2017 12:27	12/28/2017 15:16 lm	12/31/2017 lm
6	SP 1715972-006	L-002	Source-Other	Jaime McClain	Not Available	12/28/2017 13:20	12/28/2017 15:18 lm	12/31/2017 lm
7	SP 1715972-007	L-003	Source-Other	Jaime McClain	Not Available	12/28/2017 12:48	12/28/2017 15:20 lm	12/31/2017 lm
8	SP 1715972-008	L-004	Source-Other	Jaime McClain	Not Available	12/28/2017 09:45	12/28/2017 15:22 lm	12/30/2017 lm
9	SP 1715972-009	L-005	Source-Other	Jaime McClain	Not Available	12/28/2017 11:20	12/28/2017 15:24 lm	12/30/2017 lm
10	SP 1715972-010	L-006	Source-Other	Jaime McClain	Not Available	12/28/2017 09:50	12/28/2017 15:26 lm	12/31/2017 lm

Analytical Results

ID	Sample Description	Chlorine Total/Free	Temp °C	Method	Units	Total	Fecal	E. Coli	Person Notified ‡	Date ‡ Notified	Time ‡ Notified	Foot Note
1	N-001	---	---	SM 9221B	MPN/100ml	2	<1.8	---	N/R			
2	N-002	---	---	SM 9221B	MPN/100ml	31	17	---	N/R			
3	N-003	---	---	SM 9221B	MPN/100ml	17	14	---	N/R			
4	N-004	---	---	SM 9221B	MPN/100ml	17	17	---	N/R			
5	L-001	---	---	SM 9221B	MPN/100ml	1600	70	---	N/R			
6	L-002	---	---	SM 9221B	MPN/100ml	240	33	---	N/R			
7	L-003	---	---	SM 9221B	MPN/100ml	>1600	13	---	N/R			
8	L-004	---	---	SM 9221B	MPN/100ml	540	170	---	N/R			
9	L-005	---	---	SM 9221B	MPN/100ml	>1600	>1600	---	N/R			
10	L-006	---	---	SM 9221B	MPN/100ml	920	170	---	N/R			

N/R Not Required. MPN Most Probable Number A/P Absence/Presence ‡ Client Notification details.

Analyses were performed using Standard Methods 22nd edition. If you have any questions regarding your results, please call.

Reviewed and Approved By **Raquel R. Harvey** Digitally signed by Raquel R. Harvey
Title: Tech Director Microbiology
Date: 2018-01-09

RPH:SLK

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January 22, 2018

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Lab ID : SP 1715972
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	12/28/2017	12/28/2017	SP 1715972-001	SW
N-002	12/28/2017	12/28/2017	SP 1715972-002	SW
N-003	12/28/2017	12/28/2017	SP 1715972-003	SW
N-004	12/28/2017	12/28/2017	SP 1715972-004	SW
L-001	12/28/2017	12/28/2017	SP 1715972-005	SW
L-002	12/28/2017	12/28/2017	SP 1715972-006	SW
L-003	12/28/2017	12/28/2017	SP 1715972-007	SW
L-004	12/28/2017	12/28/2017	SP 1715972-008	SW
L-005	12/28/2017	12/28/2017	SP 1715972-009	SW
L-006	12/28/2017	12/28/2017	SP 1715972-010	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	01/03/2018:200069 All preparation quality controls are within established criteria.
	01/10/2018:200335 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.

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CA ELAP Certification No. 2810

January 22, 2018 Lab ID : SP 1715972
Rincon Consultants, Inc. Customer : 2-25173

Inorganic - Wet Chemistry QC

351.2	01/11/2018:200377 All preparation quality controls are within established criteria.
4500NH3G	12/29/2017:219378 All analysis quality controls are within established criteria.
	12/29/2017:215435 All preparation quality controls are within established criteria.
4500NO2F	12/28/2017:215426 All preparation quality controls are within established criteria.
4500NO3F	12/28/2017:219388 All analysis quality controls are within established criteria.
	12/28/2017:219391 All analysis quality controls are within established criteria.
	12/28/2017:215424 All preparation quality controls are within established criteria.
4500-P B	01/07/2018:200230 All preparation quality controls are within established criteria.
	01/13/2018:200475 All preparation quality controls are within established criteria.
	01/18/2018:200687 All preparation quality controls are within established criteria.
4500PE	01/07/2018:200273 All analysis quality controls are within established criteria.
	01/13/2018:200537 All analysis quality controls are within established criteria.
	01/19/2018:200833 All analysis quality controls are within established criteria.
EPA351.2	01/04/2018:200152 All analysis quality controls are within established criteria.
	01/10/2018:200420 All analysis quality controls are within established criteria.
	01/12/2018:200485 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: 2018-01-22

January 22, 2018

Lab ID : SP 1715972-001
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : December 28, 2017-11:00
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Description : N-001
Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0700	0.1	0.032	mg/L	1	J	4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:07JDD
Nitrite Nitrogen	0.0120	0.1	0.011	mg/L	1	J	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:05JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ul	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:32AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:32AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ul	351.2	200335	01/10/18 04:00	EPA351.2	200420-FI206	01/10/18-09:27AMB
Phosphorus, Total	ND	0.1	0.020	mg/L	1	U	4500-P B	200687	01/18/18 16:53	4500PE	200833-UV205	01/19/18-12:17MCA

DQF Flags Definition:

l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

Lab ID : SP 1715972-002
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : December 28, 2017-10:35
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Description : N-002
Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0700	0.1	0.032	mg/L	1	J	4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:09JDD
Nitrite Nitrogen	0.0120	0.1	0.011	mg/L	1	J	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:07JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	Ul	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-05:48AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-05:48AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	Ul	351.2	200335	01/10/18 04:00	EPA351.2	200420-FI206	01/10/18-09:28AMB
Phosphorus, Total	ND	0.1	0.020	mg/L	1	U	4500-P B	200230	01/07/18 10:00	4500PE	200273-UV205	01/07/18-13:45MCA

DQF Flags Definition:

l	The MS/MSD did not meet QC criteria.
U	Constituent results were non-detect.
J	Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

Lab ID : SP 1715972-003
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : December 28, 2017-10:00
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Description : N-003
Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0700	0.1	0.032	mg/L	1	J	4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:11JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:09JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:21AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:21AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	200069	01/03/18 08:00	EPA351.2	200152-FI206	01/04/18-09:05JDD
Phosphorus, Total	ND	0.1	0.020	mg/L	1	U	4500-P B	200475	01/13/18 10:30	4500PE	200537-UV205	01/13/18-14:08MCA

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

Lab ID : SP 1715972-004
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : December 28, 2017-11:53
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Description : N-004
Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0700	0.1	0.032	mg/L	1	J	4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:13JDD
Nitrite Nitrogen	0.0120	0.1	0.011	mg/L	1	J	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:11JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:18AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:18AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	200377	01/11/18 07:26	EPA351.2	200485-FI206	01/12/18-04:36AMB
Phosphorus, Total	0.0440	0.1	0.020	mg/L	1	J	4500-P B	200475	01/13/18 10:30	4500PE	200537-UV205	01/13/18-14:09MCA

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

Lab ID : SP 1715972-005
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : December 28, 2017-12:27
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Description : L-001
Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.700	0.1	0.032	mg/L	1		4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:15JDD
Nitrite Nitrogen	0.0170	0.1	0.011	mg/L	1	J	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:13JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-07:30AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-07:30AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	200069	01/03/18 08:00	EPA351.2	200152-FI206	01/04/18-09:07JDD
Phosphorus, Total	0.174	0.1	0.020	mg/L	1		4500-P B	200230	01/07/18 10:00	4500PE	200273-UV205	01/07/18-13:46MCA

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : L-002
Project : Malibu WWTP - Surface Water Monitoring

Lab ID : SP 1715972-006
Customer ID : 2-25173

Sampled On : December 28, 2017-13:20
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.200	0.1	0.032	mg/L	1		4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:17JDD
Nitrite Nitrogen	0.0150	0.1	0.011	mg/L	1	J	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:15JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:58AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:58AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	200069	01/03/18 08:00	EPA351.2	200152-FI206	01/04/18-09:08JDD
Phosphorus, Total	0.0562	0.1	0.020	mg/L	1	J	4500-P B	200230	01/07/18 10:00	4500PE	200273-UV205	01/07/18-13:47MCA

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : L-003
Project : Malibu WWTP - Surface Water Monitoring

Lab ID : SP 1715972-007
Customer ID : 2-25173

Sampled On : December 28, 2017-12:48
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0800	0.1	0.032	mg/L	1	J	4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:20JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:17JDD
Nitrogen, Organic	0.393	0.5	0.072	mg/L	1	UJ	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:30AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:30AMB
Kjeldahl Nitrogen	0.393	0.5	0.32	mg/L	1	J	351.2	200069	01/03/18 08:00	EPA351.2	200152-FI206	01/04/18-09:09JDD
Phosphorus, Total	ND	0.1	0.020	mg/L	1	U	4500-P B	200230	01/07/18 10:00	4500PE	200273-UV205	01/07/18-13:48MCA

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

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 1715972-008
Customer ID : 2-25173

Sampled On : December 28, 2017-09:45
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0800	0.1	0.032	mg/L	1	J	4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:22JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:19JDD
Nitrogen, Organic	ND	0.5	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:04AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:04AMB
Kjeldahl Nitrogen	ND	0.5	0.32	mg/L	1	U	351.2	200069	01/03/18 08:00	EPA351.2	200152-FI206	01/04/18-09:10JDD
Phosphorus, Total	ND	0.1	0.020	mg/L	1	U	4500-P B	200230	01/07/18 10:00	4500PE	200273-UV205	01/07/18-13:49MCA

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Description : L-005
Project : Malibu WWTP - Surface Water Monitoring

Lab ID : SP 1715972-009
Customer ID : 2-25173

Sampled On : December 28, 2017-11:20
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.700	0.1	0.032	mg/L	1		4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:24JDD
Nitrite Nitrogen	0.0180	0.1	0.011	mg/L	1	J	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:22JDD
Nitrogen, Organic	0.703	0.5	0.072	mg/L	1		4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:23AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:23AMB
Kjeldahl Nitrogen	0.703	0.5	0.32	mg/L	1		351.2	200069	01/03/18 08:00	EPA351.2	200152-FI206	01/04/18-09:11JDD
Phosphorus, Total	0.191	0.1	0.020	mg/L	1		4500-P B	200230	01/07/18 10:00	4500PE	200273-UV205	01/07/18-13:50MCA

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018

Lab ID : SP 1715972-010
Customer ID : 2-25173

Rincon Consultants, Inc.
Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Sampled On : December 28, 2017-09:50
Sampled By : Jaime McClain
Received On : December 28, 2017-14:47
Matrix : Surface Water

Description : L-006
Project : Malibu WWTP - Surface Water Monitoring

Sample Result - Inorganic

Constituent	Result	PQL	MDL	Units	Dilution	DQF	Sample Preparation Method	Sample Preparation ID	Sample Preparation Time	Sample Analysis Method	Sample Analysis ID	Sample Analysis Time
Wet Chemistry												
Nitrate Nitrogen	0.0700	0.1	0.032	mg/L	1	J	4500NO3F	215424	12/28/17 15:00	4500NO3F	219391-FI207	12/28/17-16:26JDD
Nitrite Nitrogen	ND	0.1	0.011	mg/L	1	U	4500NO2F	215426	12/28/17 15:00	4500NO3F	219388-FI207	12/28/17-16:24JDD
Nitrogen, Organic	4.27	0.5	0.072	mg/L	1		4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:15AMB
Ammonia Nitrogen	ND	0.2	0.072	mg/L	1	U	4500NH3G	215435	12/29/17 03:00	4500NH3G	219378-FI207	12/29/17-06:15AMB
Kjeldahl Nitrogen	4.27	0.5	0.32	mg/L	1		351.2	200069	01/03/18 08:00	EPA351.2	200152-FI206	01/04/18-09:12JDD
Phosphorus, Total	0.333	0.1	0.020	mg/L	1		4500-P B	200230	01/07/18 10:00	4500PE	200273-UV205	01/07/18-13:51MCA

DQF Flags Definition:

U Constituent results were non-detect.

J Reported value is estimated; detected at a concentration below the PQL and above the laboratory MDL.

ND=Non-Detected. PQL=Practical Quantitation Limit.

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January 22, 2018 Lab ID : SP 1715972
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	01/03/18:200069jmg	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	88.3 %	73-124	
			MS	mg/L	12.00	92.9 %	54-136	
		(SP 1715972-003)	MSD	mg/L	12.00	98.7 %	54-136	
			MSRPD	mg/L	12.00	6.2%	≤27	
	351.2	01/10/18:200335amb	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	97.5 %	73-124	
			MS	mg/L	12.00	69.1 %	54-136	
		(CC 1785261-005)	MSD	mg/L	12.00	43.0 %	54-136	435
			MSRPD	mg/L	12.00	44.1%	≤27	435
	351.2	01/11/18:200377jmg	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	94.2 %	73-124	
			MS	mg/L	12.00	90.8 %	54-136	
		(CH 1870121-001)	MSD	mg/L	12.00	94.1 %	54-136	
			MSRPD	mg/L	12.00	3.7%	≤27	
Ammonia Nitrogen	4500NH3G		MS	mg/L	2.000	93.8 %	70-130	
		(SP 1715972-002)	MSD	mg/L	2.000	88.0 %	70-130	
			MSRPD	mg/L	2.000	6.3%	≤20	
			MS	mg/L	2.000	84.6 %	70-130	
		(SP 1715972-006)	MSD	mg/L	2.000	86.6 %	70-130	
			MSRPD	mg/L	2.000	2.5%	≤20	
	4500NH3G	12/29/17:219378AMB	ICB	mg/L		0.000	0.1	
			ICV	mg/L	2.000	108 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.000	109 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.000	106 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.000	105 %	90-110	
			CCB	mg/L		0.000	0.1	
			CCV	mg/L	2.000	107 %	90-110	
Nitrite as Nitrogen	4500NO2F		MS	mg/L	1.218	91.5 %	50-150	
		(SP 1715972-001)	MSD	mg/L	1.218	91.6 %	50-150	
			MSRPD	mg/L	1.218	0.09%	≤30	
Nitrate + Nitrite as N	4500NO3F		MS	mg/L	28.04	34.3 %	5-285	
		(SP 1715972-001)	MSD	mg/L	28.04	34.2 %	5-285	
			MSRPD	mg/L	28.04	0.2%	≤30.4	
	4500NO3F	12/28/17:219391JDD	CCB	mg/L		0.074	0.1	
			CCV	mg/L	11.27	96.3 %	90-110	
			CCB	mg/L		0.077	0.1	
			CCV	mg/L	11.27	96.1 %	90-110	
Nitrite as Nitrogen	4500NO3F	12/28/17:219388JDD	CCB	mg/L		0.00800	0.012	
			CCV	mg/L	1.218	98.8 %	90-110	
			CCB	mg/L		0.00800	0.012	
			CCV	mg/L	1.218	99.1 %	90-110	
Phosphorus	4500-P B	01/07/18:200230mca	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	90.5 %	90-116	
			MS	mg/L	0.2800	75.1 %	25-292	
		(STK1830046-001)	MSD	mg/L	0.2800	73.4 %	25-292	
			MSRPD	mg/L	0.2800	0.0049	≤0.1	
	4500-P B	01/13/18:200475mca	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	92.9 %	90-116	
			MS	mg/L	0.2800	93.4 %	25-292	
		(STK1830046-002)	MSD	mg/L	0.2800	88.2 %	25-292	
			MSRPD	mg/L	0.2800	0.015	≤0.1	

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January 22, 2018 Lab ID : SP 1715972
Rincon Consultants, Inc. Customer : 2-25173

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Phosphorus	4500-P B	01/18/18:200687mca	Blank	mg/L		ND	<0.1	
			LCS	mg/L	0.5000	91.9 %	90-116	
			MS	mg/L	0.2800	60.3 %	25-292	
		(SP 1715972-001)	MSD	mg/L	0.2800	73.4 %	25-292	
			MSRPD	mg/L	0.2800	0.037	≤0.1	
Total Phosphorus	4500PE	01/07/18:200273MCA	CCB	mg/L		0.005	0.1	
			CCV	mg/L	0.5000	91.0 %	90-110	
			CCB	mg/L		0.01	0.1	
			CCV	mg/L	0.5000	94.9 %	90-110	
	4500PE	01/13/18:200537MCA	CCB	mg/L		-0.002	0.1	
			CCV	mg/L	0.5000	98.3 %	90-110	
			CCB	mg/L		-0.00004	0.1	
			CCV	mg/L	0.5000	94.4 %	90-110	
	4500PE	01/19/18:200833MCA	CCB	mg/L		0.005	0.1	
			CCV	mg/L	0.5000	91.4 %	90-110	
			CCB	mg/L		0.034	0.1	
			CCV	mg/L	0.5000	99.3 %	90-110	
Nitrogen, Total Kjeldahl	EPA351.2	01/04/18:200152JDD	CCB	mg/L		0.238	0.5	
			CCV	mg/L	5.000	92.0 %	90-110	
			CCB	mg/L		0.195	0.5	
			CCV	mg/L	5.000	103 %	90-110	
	EPA351.2	01/10/18:200420AMB	ICB	mg/L		0.000	0.5	
			ICV	mg/L	5.000	109 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	109 %	90-110	
	EPA351.2	01/12/18:200485AMB	ICB	mg/L		0.000	0.5	
			ICV	mg/L	5.000	97.0 %	90-110	
			CCB	mg/L		0.000	0.5	
			CCV	mg/L	5.000	96.8 %	90-110	

Definition

ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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Laboratory Copy (1 of 3)

4053:12/04/2017

Client: **Rincon Consultants, Inc.**

Address: Attn: Torin Snyder
180 N. Ashwood Ave.
Ventura, CA 93003

Phone: (760)918-9444ext209 Fax:

Contact Person: Torin Snyder

Project Name: **Malibu WWTP - SW Monitoring**

Purchase Order Number:

Quote Number: **SP 20150526-01**

Sampler(s) Jaime Mcclain

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number: **SP** P15977 **2-25173**

TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Coliform-LTB-Series 15 Tube ***8 Hour Hold Time*** 120ml(PBa)-Na2S2O3	Wet Chemistry-NO3-N,NO2-N,N-Organic,Total P,NH3-N ***NO2-N, NO3-N-48 Hour Hold Time*** 16oz(P), 16oz(P)-H2SO4							
1	N-001	12/28/17	1100	G	SW				1	1,1							
2	N-002	12/28/17	1035	G	SW				1	1,1							
3	N-003	12/28/17	1000	G	SW				1	1,1							
4	N-004	12/28/17	1153	G	SW				1	1,1							
5	L-001	12/28/17	1227	G	SW				1	1,1							
6	L-002	12/28/17	1320	G	SW				1	1,1							
7	L-003	12/28/17	1248	G	SW				1	1,1							
8	L-004	12/28/17	0945	G	SW				1	1,1							
9	L-005	12/28/17	1120	G	SW				1	1,1							
10	L-006	12/28/17	0950	G	SW				1	1,1							

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	12/28/17	1447						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
		1447						

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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** / **9** / _____ / _____ / _____ / _____ / _____
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: 12/28/2017-14:59:02

Discrepency 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 1715972
SRP-12/28/2017-14:59:02