City of Merced

Water Quality Control Division
Request For Proposal-Fiscal Years 2016-2019
General Laboratory Services

February 29, 2016

EXHIBIT B

eurofins | Eaton Analytical

PROPOSAL

eurofins | Eaton Analytical

Lorraine M. Carrasquillo
City of Merced, Water Quality Control Division
678 West 18th Street
Merced, CA 95340

February 29, 2016

Dear Ms. Carrasquillo:

Eurofins Eaton Analytical, Inc. (Eurofins) is pleased to submit our proposal for General Laboratory Services to the City of Merced. Eurofins is committed to providing top quality testing and customer service. Eurofins' qualifications are unmatched; our facilities have been audited and accredited by EPA in support of special regulatory programs (ICR, UCMR and LT2) for over 15 years. We strive to educate ourselves and obtain as much knowledge as our clients. We collaborate with EPA, the Division of Drinking Water and RWQCB on analytical methods, detection limit feasibility relative to proposed regulatory thresholds, best practices and acceptable precision & accuracy. We believe our data is legally defensible for every sample that is tested by our lab.

Analysis of samples at Eurofins is based on approved test methodologies that are thoroughly documented in our analytical SOPs. Our SOPs meet or exceed EPA method requirements because Eurofins also adheres to The NELAC Institute (TNI) and ISO 17025 quality standards. All of Eurofins' professional staff completes rigorous initial and ongoing demonstrations of capability. We have less than 5% incidence of employee turnover because we take care of our staff and their development.

We will assign a dedicated professional from our Central Valley Service Center to manage your contract. This single-point of contact will ensure your analytical and sampling needs are being met at all times. Eurofins is the nation's leader in water testing and we are confident that we can provide the services you require.

In closing, it is our intention to meet or exceed the local business enterprise requirement. This proposal is valid for a period of 120 days from submittal. We look forward to your decision and hope to serve as your contract laboratory.

Sincerely,
EUROFINS EATON ANALYTICAL, INC.

Dennis J. Leeke
President

Formerly MWH Laboratories

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

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eurofins

Executive Summary

The City of Merced (City) requires the services for environmental testing of water, wastewater and soils. The testing is to comply with several regulatory programs such as NPDES, Safe Drinking Water Act, and Clean Water Act. The City intends to obtain these services under contract from July 1, 2016 through June 30, 2019.

With over 22,000 staff and over 225 laboratories across 39 countries, **Eurofins Scientific** is the world leader in food, environment and pharmaceutical products testing. It is also one of the global market leaders in agroscience, genomics, discovery pharmacology, and central laboratory services. In addition, Eurofins is one of the key emerging players in specialty clinical diagnostic testing in Europe and the USA.

Eurofins Eaton Analytical, Inc. is the largest potable water testing laboratory in the US, with over 100,000 combined square feet of laboratory space and nearly 200 qualified staff at our Monrovia (CA) and South Bend (IN) facilities. We also maintain service centers in Seattle (WA) Sacramento (CA), Fresno (CA), Colton (CA), Phoenix (AZ), Denver (CO), Raleigh (NC), Pittsburgh (PA), Lancaster (PA) and Tampa (FL). We recognize water quality to be critical to public health protection, whether in water supplies or as a component of food and beverages. With our continued investment in emerging contaminant analyses and the ability to meet ever more stringent standards, Eurofins Eaton Analytical provides clients with a trusted laboratory partner that can respond to their needs 24/7 from multiple locations.

Eurofins Calscience has been providing quality analytical services to consultants, private industry and government agencies since 1986. Eurofins Calscience is located in Garden Grove, California, but our clientele extends nationwide, and even overseas. Our facilities, instrumentation and staff have continued to expand over the years, adding capabilities and capacity to meet the demands of our clients and new regulatory drivers. We are a full-service environmental testing company, offering analysis of groundwater, sea water, sediment, storm water, soil, hazardous waste, tissue and vapor/ambient air. Eurofins Calscience maintains state-of-the-art instrumentation systems for all operations.

Eurofins Fresno Service Center (FSC) is ELAP certified to provide microbiology testing for water and wastewater. FSC offers project management, sample pickup, sample kits and supplies for clients in the Central California Regions.

Eurofins laboratories are certified to provide all of the testing the City would require. We have successfully provided these exact services for over 500 clients throughout the US. Eurofins will provide well trained and qualified project managers, analysts, and technical support to handle all of the City's needs.

SECTION 1 – RFP Required Contents

1.1 - Laboratory Qualifications

Eurofins Eaton Analytical's qualifications are unmatched. Our facilities have been audited and accredited by EPA in support of special regulatory programs (ICR, UCMR and LT2) in each of the last 15 plus years. We strive to educate ourselves and obtain as much knowledge as our clients. We collaborate with EPA, the Division of Drinking Water and WQCB on analytical methods, detection limit feasibility relative to proposed regulatory thresholds, best practices and acceptable precision & accuracy.

Presently, Eurofins Eaton Analytical employs 125 permanent professional staff operating in over 30,000 square foot of analytical space in Monrovia and 1,500 in Fresno. The laboratory was established in 1969 and has continued to grow into a multi-million dollar per year capital budget, which is used to fund new testing equipment, support key staff hires, expand our emerging contaminants research, improve information systems and expedite data delivery.

Included in Appendix A of this proposal for your review are the following certification documents to demonstrate our firm's commitment quality:

- Eurofins Eaton Analytical Monrovia Laboratory California ELAP Certification
- Eurofins CalScience California ELAP Certification
- Fresno Service Center California ELAP Certification

Included in Appendix B are the following examples to demonstrate Eurofins' present ability to meet the needs of the City of Merced's requirements:

- Evidence only Certificate of Insurance
- Local Business Enterprise participation documentation

Eurofins is prepared to list the City of Merced as additionally insured.

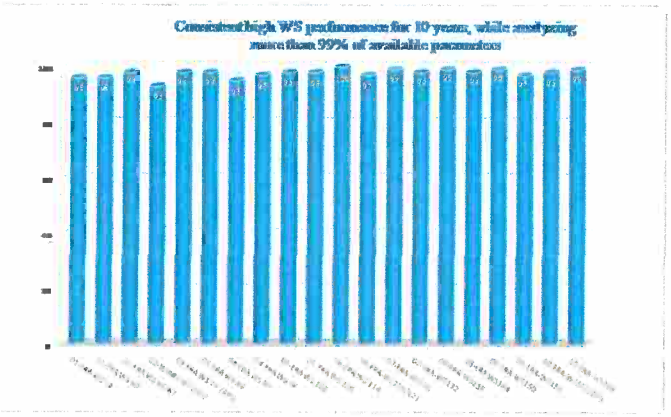
Eurofins is accredited by The NELAC Institute (TNI) and in 45 other states and territories to perform water quality analyses. Our TNI accreditation program (based on ISO17025) relies on our rigorous quality system and includes more stringent and comprehensive standards than non-TNI laboratories. More than 90% of California laboratories do not qualify for TNI accreditation. We have successfully maintained licensure for over 30 consecutive years. Our certification coverage includes accreditation in all 5 fields of testing for drinking water Inorganics, Organics, Radiochemistry, Microbiology and Disinfection By-Products. We are also ISO 17025 accredited.

Our State of California ELAP certification includes certification for additional California-specific parameters for emerging contaminants such as Hexavalent Chromium, 1,2,3-Trichloropropane and Tert-Butyl Alcohol as well as Cryptosporidium for compliance with EPA's LT2 Enhanced Surface Water Treatment Rule Round 2.

In addition to our TNI, ISO and ELAP accreditations, Eurofins also maintains the following specialty certifications relevant to water quality analysis for CECs and emerging contaminants:

- EPA LT2 approved laboratory for Cryptosporidium
- EPA UCMR3 approved laboratory for List 1 and List 2 CECs
- EPA ICR approved laboratory for disinfection by-products
- New Jersey DEP approved laboratory for ultra-low PFCs
- Massachusetts DEP approved laboratory for ultra-low Perchlorate analysis

Eurofins is subject to pre-scheduled and unannounced audits by regulators and other 3rd parties as frequently as every year. In contrast, most laboratories are audited by the same regulatory agency every 2-3 years. We also participate in the EPA Water Supply and Water Pollution Proficiency Testing (PT) programs where we have generally scored more than 99% correct for 10 years running. In addition to 3rd party PTs, we also use an internal blind performance evaluation sample program to monitor our technical operation and to verify proficiency of all analysts. Eurofins has also served as a referee laboratory for commercial producers of external reference samples as well as for the U.S. EPA in the verification of their test methods.



1.1a- UCMR3 Demonstrated Expertise

Eurofins Eaton Analytical was the first commercial lab (CA00006) to meet the requirements for all of the Unregulated Contaminant Monitoring Rule (UCMR3) methods. We developed a UCMR3-specific QAPP that addresses all of the program objectives. We developed customized sample kits, specifically designed to simplify collection and address field blank collection. This includes development of a mobile app video to ensure that sample collectors understand the complex field blank requirements. As an American Water Works Association (AWWA) contractor, we were asked to develop formal recommendations to the Environmental Protection Agency (EPA) regarding the UCMR3 analyte lists, the proposed minimum reporting limits, and the requirements for what utility sizes would need to analyze and which compounds (List 1 vs List 2). We are not *just* members of AWWA, we are active contributors to the organization.

1.1b - UCMR3 Method Experience

Eurofins Eaton Analytical analyzed more than 3,500 UCMR3 compliance samples for over 400 water systems across the United States. We provided pre-UCMR3 testing for multiple clients to assure that all steps of the collection and analysis are well understood and documented. We are certified for compliance testing in several states for many of the UCMR3 analytes and have conducted compliance monitoring using these methods (e.g., Method 537 in NJ). We were the only lab to evaluate Method 539 as part of the Water RF Project 4167 (a round-robin study of hormone methods in drinking water). We have extensive experience in low-level reporting, which was required for the UCMR3 analytes. Consequently, we know how to minimize and avoid the contamination issues that arise with these types of analyses.

During UCMR1, UCMR2, and UCMR3, Eurofins Eaton Analytical served as a primary US EPA contractor for monitoring UCMR compounds for small systems across the country. Under these contracts, we analyzed over 3,000 samples using a variety of methods, including 524.2, 525.2, 515.4, 314.0, 521, 526, 527, 528, 529, 532 and 535, with quality control requirements exceeding federal regulations and received excellent contract performance reviews from the EPA. As a UCMR contract lab, we were subjected to annual audits and ongoing proficiency tests while most commercial labs had to demonstrate proficiency only once. We provided the US EPA and AWWA with expert review on all three UCMR regulations, beginning with UCMR1 in 2001. Our team also co-authored the official US EPA Method (314.0) for perchlorate analysis that was used in UCMR1. • We served as an official US EPA method validator for many of the UCMR3 methods, including 524.3, 200.8, 218.7 and 539. For UCMR2, we were responsible for conducting more than 30% of the required large utility testing. In UCMR3 we have reported more data into the CDX database than any other lab in the US.

1.2 - Price Quote

Enclosed in Appendix C is the Fee Schedule for proposed Services. Listed fees are inclusive of project management, technical consultation, sample bottles, sampling, transportation, analysis of samples and associated QC samples, re-analysis to verify initial (and suspect) results, reporting of test results in PDF, EDD and EDF formats. Capabilities outside of the Scope of Service detailed in this proposal are also included.

1.3 - Turnaround Time

Our standard turnaround time for routine analyses is fifteen days. For extra-ordinary analyses, including but not limited to, Radium 226/228, Strontium, Contaminants of Emerging Concern and Dioxin. Eurofins operates with enough redundancy that situations such as instrument down-time do not affect turnaround time. We are ELAP certified in three locations; Monrovia, CA, Garden Grove, CA and South Bend, Indiana.

1.4 - Statement of Result Reporting to SWRCB

Since State codes are added to samples to the sample profiles and pre-logs (as described in the pages to follow), result files are automatically generated every Sunday and are uploaded to the state. Reporting results no later than the 10th of the month, following the month results are reported to the City, is strictly adhered to by our automated process.

1.5 - Travel and Field Blank Policy

Client satisfaction is the upmost factor in all that EEA does. If the City has a requirement or the method calls for field and trip blanks, such as in UCMR3, there will not be a charge for analysis and will be handled under the following general guidelines:

The trip blank is required to be analyzed in the event of any detects in the associated field samples. For example, both methods 504.1 and 524.2 for volatiles determination require a trip blank with each set of samples or no less than 10% of the samples collected.

When running method 525.2 for phthalates determination for compliance monitoring purposes, the laboratory runs a trip blank if any of the samples are found positive for phthalates. This is necessary to show that samples were not contaminated from bottle caps, the HCl used for preservation, or the latex gloves worn during sampling. If the samples show the presence of phthalates and there was no trip blank with the set of samples then subsequent resamples from the

site must be accompanied by a trip blank. If the samples are not to be analyzed for phthalates, the laboratory does not need to run a trip blank.

If a client has submitted a trip blank and wishes it to be analyzed automatically, the sample is logged in with the appropriate tests and with the log-in ID "Trip Blank" so that analysts will know to analyze and report them.

If a trip blank is submitted and is only to be analyzed in the event of hits, the sample is logged in with an ID of "Trip Blank-Hold."

For the analysis of ethylene dibromide and dibromochloropropane by Method 504.1 and phthalates by method 525.2, the analyst and supervisor ensure that if hits are detected in the associated samples, the trip blank is analyzed and reported within holding times.

Because of the relatively short holding times for VOAs by Method 524.2 and 504.1, the trip blanks are usually analyzed (unless specified by client) whether or not there are hits in the associated sample. In this way, Trip Blanks are always analyzed within holding times.

If there is adequate holding time remaining the analyst may elect to not analyze the trip blank. However in this case, the data must be reduced immediately and if there are hits, the sample must be analyzed on the next run, still within holding time. In the event that no hits are present in the associated client samples the analyst and supervisor enter NA for the trip blank and preferably place a comment on the sample "not analyzed, no hits in field samples".

In the event that an analyte is detected in the trip blank, the analyst gets the associated stationary blank from shipping, if available, and runs that immediately to confirm that the hits are not due to lab contamination when the blank was prepared. The information to associate the proper trip blank to the sample(s) is be found on the sample bottle label, through the LIMS numbering system, and/or on the COC.

Field blanks are handled in the same manner as trip blanks.

1.6 - Policy on Reporting Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) can be evaluated with most gas chromatographs interfaced with a mass spectrometer detector. Compound identification is achieved by retention time match to standards on the GC and confirmed by mass spectra match to library. Quantitation of compound based on comparison to calibration. Upon the City's request, a TIC report of the top detected compounds can be provided. Additional fees may apply, but, will be discussed explicitly prior to commencing the project and will not exceed $100 per sample.

1.7 - UCMR4

The fourth Unregulated Contaminant Monitoring Rule (UCMR 4) was proposed on December 11, 2015. The proposal outlines monitoring for 30 chemical contaminants between 2018 and 2020 using analytical methods developed by EPA and consensus organizations including Eurofins Eaton Analytical. Since all large community and non-transient non-community water systems (NTNCWSs) serving more than 10,000 people would be required to monitor. This would include the City of Merced.

Applications for UCMR4 laboratory certification will not be available until after the proposed Rule is finalized (expected summer 2016). Because we are not certain of future requirements for sampling, bottles, and addition of unique Quality Control measures, it is difficult to provide the City with analytical cost. For your budgetary purposes, the following is an EPA published list of estimated analytical costs.

Exhibit 10: Assessment Monitoring (List 1) Analytical Costs

Method Type	Average Analysis Cost per UCMR 4 Sample [1]
3 Alcohols using EPA Method 541 (Gas Chromatography Mass Spectrometry (GC-MS))	$337
Bromide [2]	$55
3 Brominated HAA Groups using EPA Method 552.3 (Gas Chromatography (GC) or 557 (Ion Chromatography Tandem Mass Spectrometry (IC-MS MS))	$194
One Cyanotoxin group using ELISA	$163
7 Cyanotoxins using EPA Method 544 (Solid Phase Extraction (SPE) Liquid Chromatography Tandem Mass Spectrometry(LC-MS-MS))	$445
2 Cyanotoxins using EPA Method 545 (LC-MS-MS)	$428
2 Metals using EPA Method 200.8 (Inductively Coupled Plasma Mass Spectrometry (ICP-MS))	$80
9 Pesticides and a Pesticide Byproduct using EPA Method 525.3 (SPE GC-MS)	$415
3 Semivolatile Organic Chemicals using EPA Method 530 (GC-MS)	$384
TOC (TBD)[2]	$61
Total	$2,562

[1] The average analytical cost for Assessment Monitoring was determined by averaging estimates provided by three drinking water laboratories.

[2] TOC and Bromide are HAA indicators and are analyzed using methods to be determined by PWSs and their laboratories. TOC methods include: Standard Method (SM) 5310 B or 5310 B-00, SM 5310 C or 5310 C-00, SM 5310 D or 5310 D-00, EPA Method 415.3 (Rev. 1.1 or 1.2) (40 C.F.R. § 141.131 (d)(3)). Bromide methods include: EPA Methods 300.0, 300.1, 317.0 (Rev. 2.0), 326.0 or American Society for Testing Materials (ASTM) D6581-00a (40 C.F.R. § 141.131 (d)(2)).

EEA would commit to not exceeding these estimated costs should all parameters stay the same as we currently know them.

1.8 - Timely Communication of Abnormalities

Hits Report – Every morning, an EEA report is automatically generated for each project manager which details all hits detected. If the hit is on a compliance sample and the compound is regulated the City will be notified immediately or within 24 hours. If the hit exceeds the Maximum Contaminant Level (MCL) the City is notified immediately.

Historical report – Every morning, an EEA report is automatically generated for each project manager that indicates when any particular sample location has a result for any analyte outside of 2 Standard Deviations of its historical results. This allows the City to take action or resample as needed. We advise that sample IDs are consistent to make this effective.

General Errors – Although we desire to be perfect with every sample that is submitted to us, mistakes do happen. With thorough training and adherence to the EEA Quality Manual, mistakes are reduced to a very minimum. General errors are handled in two ways. In the case of a broken

bottle the analyst or sample receiving attendant will verbally communicate with the Project Manager of the incident. If the abnormality is related to an analytical method, a Quality Investigation Report (QIR) is initiated by the analyst and is immediately reported to the Project Manager. The QIR details what happened, which samples were involved and what corrective action has been taken. The Project Manager will notify the client the same business day, but no later than 24 hours.

1.9 – Other Services

Please refer to Appendix C where detailed services and fees are included.

1.10 – Proof of Insurance

A Certificate of Insurance is included in Appendix B

1.11 References

Eurofins provides testing, sampling and/or courier services to the following current customers who are very similar in scope to the City of Merced and serve as our official references for this proposal:

City of Lathrop
2112 E. Louise Avenue
Lathrop, CA 95330
Chris Hart, (209) 992-0019
chart@ci.lathrop.ca.us

City of Coalinga
155 W. Durian Street
Coalinga, CA 93210
Brian Trailor, (559) 935-2981
btrailor@coalinga.com

City of West Sacramento
400 North Harbor Blvd
West Sacramento, CA 95605
Ryan Radford, (916) 617-4736
ryanr@cityofwestsacramento.org

San Juan Water District
9935 Auburn-Folsom Rd
Granite Bay, CA 95746
George Macado (916) 316-0850 gmachado@sjwd.org (Ops Manager)
Greg Turner (916) 791-6941 gturner@sjwd.org (WTP Superintendent)

SECTION 2 – LABORATORY OPERATIONAL METHODS

2.1 - Project Coordination

Ms. Monica Van Natta will serve as the City's designated project manager and principal contact. Ms. Van Natta's efforts are supplemented by Ms. Mary Thao (Microbiologist and Assistant Project Manager). Additional key project staff is identified in Section 6 of this proposal.

Ms. Van Natta has over 25-years of experience providing technical and customer support. Almost 20 of those years were spent in the Client Services department of BSK Analytical Labs. She started as a Client Services Representative and later as the Client Services Manager. From 2008 to 2011, Ms. Van Natta worked for the engineering departments for both BSK and Moore Twining Associates gaining knowledge in environmental, geotechnical and inspection testing and engineering. In 2011, after being recruited by UL, Inc., (Underwriter's Laboratories), Ms. Van Natta gained exposure to environmental analytical testing on a national level. In 2014, Eurofins acquired UL's drinking water lab into the Eurofins Eaton Analytical family. This acquisition combined the #1 and #2 best labs nationwide.

As project manager, Ms. Van Natta will be your single-point of contact for all aspects of laboratory services, including:

- understanding the City's permits and monitoring guidelines for analytical testing;
- interpreting the City's testing schedules into test profiles and bottle kit orders;
- reviewing all sample submissions for completeness and correctness;
- following samples through the lab to ensure timeliness of reports;
- reporting to the City any "hits" of concern or MCL exceedances;
- checking for historical concentrations and reporting to the City when a sample result falls outside of 2 standard deviations;
- preparing final reports, invoices and sign the Cover Letter;
- posting results to the Client Access Portal (CAP);
- ensuring that reports are sent to the proper regulatory agency or City consultant as directed by the City; and,
- providing the City with any help needed in regard to sampling, interpretation of regulatory requirements, summary reports or test status.

2.2 - Sample Receiving

Eurofins can respond to requests for supply deliveries or sample pick-ups anytime seven days a week. It is our plan to keep the City of Merced on the current sample pick-up schedule of Tuesdays, Thursdays and Fridays if this is what works best for the City. Courier pick-ups are conducted by a Eurofins (not 3rd party) employee. Sample kits we deliver include pre-labeled sample containers with preservative (if needed), custody form, kit inventory, gel packs and packaging material. Eurofins couriers are available for deliveries and pick-ups on demand, reflecting commitment to public health and customer service.

Each of your orders is pre-logged to include site name, system and site ID, test(s), turnaround time and cost. Our pre-logged sample groups afford us a mechanism to pre-label all containers with site names, eliminate data entry and associated transcription errors during login, maintain consistency in site names to facilitate complete data queries and (for potable samples) ensure EDT to the regulatory or water quality database occurs correctly. All samples collected will be delivered to Eurofins within 24 hours of sample collection and scheduled for analysis immediately upon receipt.

Our login staff inspects all samples upon receipt. We contact the client

immediately whenever samples are received with breakage, leakage, inverted septa or air bubbles (for Volatile samples), incorrect containers, wrong preservatives, missing container labels, incomplete paperwork or excessive temperature. Tracking numbers are then assigned to each sample and scheduled for analysis. Analytical Departments are immediately hand-delivered any samples with short holding times or samples requiring rush turnaround times so processing can commence immediately.

Remaining samples are stored at 4 degrees C in walk-in refrigerators. Temperatures in all cold storage areas are measured twice each day to ensure required temperature is maintained (NELAC 5.5.3). Volatiles samples are segregated in separate refrigerators to prevent cross-contamination.

Eurofins operates in a secured building with pass key access and locked refrigerators. Level I chain of custody is adhered to while your samples are in our possession. Custody documentation is maintained on the COC and in Run Logs to indicate where the samples are located at all times. Samples are disposed after 60 days, when holding times expire or according to other requirements as requested by our clients.

2.3 - Analytical Testing

All microbiological testing will be performed in the Fresno Service Center under ELAP certification 2966. All other drinking water and waste water analytical testing will be performed at our main lab in Monrovia, California. Samples will arrive in Monrovia within 24 hours in order to meet hold times. Solid samples will be analyzed by our Garden Grove, Lab under ELAP

The analytical methods performed at Eurofins are based primarily on methods specified by the U.S. EPA, Standard Methods for the Examination of Water and Wastewater and/or the California Division of Drinking Water – 40 CFR Part 136 or SW-846. If more stringent standards or requirements are included in the mandated test method or by regulation, the laboratory guidance is that all Standard Operating Procedures (SOPs) meet such requirements.

All methods and method modifications are documented fully in individual SOPs. Methods are modified if, and only if, the original method goals for precision and accuracy have been met or exceeded. Modifications are usually implemented due to available resources or to expedite the process without sacrificing quality. All Methods are validated prior to analyzing client samples. The validation includes a Method Detection Limit (MDL) study following current 40 CFR Part 141 protocols, an analyst precision and accuracy study and subsequent review and approval by the Group Manager, Lab Director and Quality Assurance Officer. Every Eurofins analyst follows the QC protocols and essential QC measures specified by the laboratory SOPs

It is the policy of Eurofins to be conservative when reporting not-detect on a sample. Consequently, we have implemented minimum reporting levels (MRLs) that must be at or above the lowest standard associated with that analytical run rather than reporting to the MDL. This

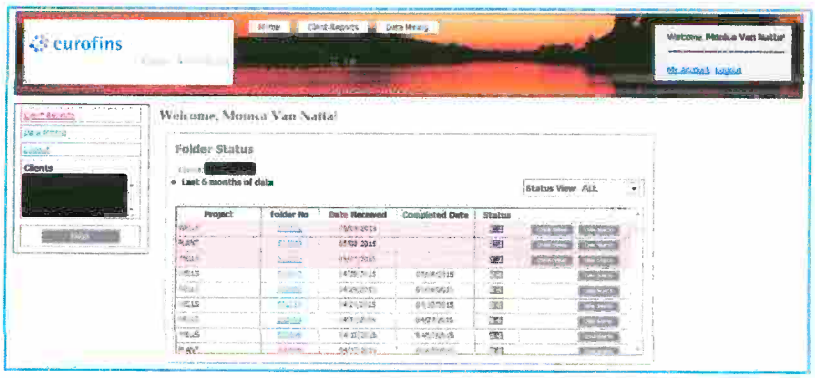
ensures that all data reported as "detected" will have some degree of analytical precision associated with them. An MRL check sample is normally included with every run to verify sensitivity. Semi-quantitative data below the MRL are available on a client-specific data quality objectives (DQO) basis.

Eurofins maintains an extensive primary and contingency analytical resource to support the entirety of the various monitoring program. We employ two analysts and more than four instruments for every major analytical method offered by EEA.

- Bacteriology = (Fresno) 2 analysts + 2 instruments and 500 samples/month capacity and (Monrovia) 4 analysts + 4 instruments and 1,000 samples/month capacity
- Asbestos = 2 analysts + 1 instrument and 100 samples/month capacity
- General Chemistry = 5 analysts + 8 instruments and 1,000 samples/month capacity
- Nutrients = 4 analysts + 4 instruments and 500 samples/month capacity
- Metals = 7 analysts + 5 instruments and 500 samples/month capacity
- Perchlorate = 6 analysts + 4 instruments and 400 samples/month capacity
- Radiochemistry = 3 analysts + 3 instruments and 200 samples/month capacity
- TOC, TOX, UV = 2 analysts + 2 instruments and 500 samples/month capacity
- Disinfection By-Products = 8 analysts + 8 instruments and 800 samples/month capacity
- Volatile Organics = 3 analysts + 10 instruments and 800 samples/month capacity
- Synthetic Organics = 8 analysts + 8 instruments and 400 samples/month capacity
- Nitrosamines = 5 analysts + 4 instruments and 200 samples/month capacity
- Emerging Contaminants = 7 analysts + 4 instruments and 100 samples/month capacity
- Additional instrumentation in Garden Grove, California is also available upon request.

This unprecedented analytical resource affords us the capability of processing large sample batch sizes or providing rapid analysis turnaround times for special projects without major disruption to our operation and also in the event of emergency. *As an added contingency, Eurofins can also rely upon our water testing laboratory in South Bend, Indiana and CalScience in Garden Grove who are California ELAP and/or TNI accredited for comprehensive water quality analyses.*

2.4 - Result Reporting



The Eurofins LIMS provides Ms. Van Natta with real time notifications of all data anomalies, including MCL exceedances and results outside of the historical data standard deviation. Ms. Van Natta carefully reviews every analytical report prior to sign off. On occasion, Ms. Van Natta initiates re-analysis and data checks for any result she feels to be suspect. All re-checks are conducted free of charge to ensure that data released to clients is accurate, precise, correct and complete. Once Ms. Van Natta signs off on a final report, an e-mail notification is sent to the City's contact(s) or

designated 3rd party with the PDF final report. Our LIMS also generates and posts to the Eurofins' Client Access Portal (CAP) an EDD file of both Sample results and associated QC. Ms. Van Natta also receives EDD notifications and reviews each data deliverable to ensure correct and complete content. Final PDF, EDD and individual Invoices are simultaneously posted to the CAP.

2.5 - Invoicing

Individual invoices for each order are automatically posted to the CAP at the same time final PDF reports and EDDs are posted. Invoices are generated for each individual submission. Weekly or monthly invoices can be provided to the City of Merced if requested.

All fees agreed upon become part of the test profile. This eliminates errors and provides accurate invoices each and every time.

SECTION 3 – LABORATORY LOCATIONS

Eurofins Eaton Analytical, Inc.

Main Laboratory
750 Royal Oaks Drive, Suite 100
Monrovia, California
Phone: 626-386-1100, Fax: 626-386-1101

Fresno Service Center (61 miles to Grogan Ave)
1921 North Gateway, Suite 101
Fresno, California
Phone: 559-797-1931
Primary Contact: Monica Van Natta
MonicaVanNatta@eurofinsus.com

Federal Tax ID: 46-0565341
EPA Registry ID: 110013379762
State (CDPH) ELAP Cert #: 2813(Monrovia), 2966 (Fresno Service Center)

Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, California

SECTION 5 – RESUMES

Ms. Monica Van Natta is the City's principal contact and Project Manager. Ms. Van Natta holds a Bachelor's degree in Biological Sciences and has 26 years of experience as a laboratory technician, project manager, account executive and service center manager. Ms. Van Natta is responsible for coordinating sampling schedules, creating pre-logged sample groups and bottle orders, reviewing sample receipt logins, managing work in progress and reviewing, approving and submitting to the City final analytical reports, data deliverables and invoices. Ms. Van Natta will serve as the backup microbiologist.

Ms. Mary Thao is the City's assistant project manager when Ms. Van Natta is out sick or away on vacation. She will be the primary analyst conducting the microbiological tests in Fresno. Ms. Thao has over 10 years of experience proving analytical testing for microbiology, quality control, and numerous lab duties in support of operations. She has also served as the liaison between the client and the laboratory, scheduled sampling events, collected samples in the field and provided clients with final reports.

Mr. Dennis Leeke is President and Laboratory Director for Eurofins Eaton Analytical, Inc. and is responsible for our overall laboratory operation and performance. Mr. Leeke will also serve as our corporate officer to sign off on laboratory service agreements. Dennis holds a BA degree in Biology and Chemistry (Franklin College, 1993) and MBA (Notre Dame University, 2009). He has almost 20 years of experience as a senior scientist, laboratory supervisor, director of operations and general manager.

Dr. Andrew Eaton is Vice-President and Technical Director for Eurofins and is available to the City for technical consultations. Andy holds a BA degree in Earth Science (Antioch College, 1970), an MS in Geology (Harvard University, 1972) and a PhD in Geochemistry (Harvard University, 1975). Dr. Eaton has 35 years of experience (all with Eurofins) as a laboratory chemist, laboratory manager, laboratory director and technical director. He is on the Peer Review Editorial Board for the Journal of the American Water Works Association He co-authored AWWA's comments to EPA on the UCMR3 Rule. He has authored numerous peer reviewed journal articles and presentations at multiple national and international conferences on analytical issues for emerging contaminants such as many of the UCMR4 analytes. He served as the principal in charge for our USEPA UCMR1, UCMR2, and UCMR3 contracts.

Mr. Rick Zimmer is Senior Account Manager for Eurofins. Rick works hand in hand with staff on industry technical and regulatory workgroups. He also meets routinely with staff to ensure feedback is received and translated into performance improvement on the part of Eurofins. Rick holds a BS (San Diego State, 1991) and MBA (Long Beach State, 2001). Mr. Zimmer has almost 25 years of experience (all with Eurofins) as an account manager, project manager and client services manager.

Ms. Nilda Cox is our QA officer. She works director with each of our laboratory managers and analysts to ensure that analytical procedures are adhered to and data that we generate is compliance with ELAP, TNI and ISO 17025 quality standards. Ms. Cox also oversees the implementation of Eurofins comprehensive technical training program. Nilda holds a BS degree in Chemistry (Santa Tomas University, 1974). She has almost 40 years of experience as a research scientist, laboratory supervisor and QA officer.

In addition to our principal project staff, the following additional individuals will provide direct support to the City in their specific area of expertise:

- Mr. Karlos Rueckert supervises the sample receiving and shipping departments
- Mr. Ali Haghani supervises our LC/MS Department (PPCPs, PFCs)
- Mr. Chuck Grady supervises our GC and GC/MS Departments (VOCs, SOCs)
- Mr. Walter Hsieh supervises our Inorganics and Radchem Departments (Metals, Alpha)
- Ms. Kasey Raley supervises our Microbiology Department

We properly prepare and train our employees for all aspects of their respective duties. Each new employ is provided with a training checklist which serves as a guide in the first 6 months of employment. The initial training includes:

- Review of Health & Safety Program
- Review of Code of Ethics Policy
- Review of Quality Assurance Manual
- Review of relevant Method SOPs
- Initial Demonstration of Competence (IDC) – MDL Study, PT Sample, MS Sample

Ongoing annual competency training for all staff is also implemented at Eurofins and includes:

- Review of QA Manual, CHP Manual and relevant Method SOP(s)
- Successful analysis of blind PT samples
- Successful Demonstration of Capability (DOC) - MDL Study, PT Sample, MS Sample
- Successful analysis of 4 consecutive LCS samples

Training checklists for every Eurofins analyst are maintained by Ms. Nilda Cox and our QA Department.

SECTION 7 – CONTRACT PROVISIONS

Eurofins has carefully reviewed the City of Merced's Standard Professional Services Agreement and do not find any major issues. Eurofins is prepared to sign off on a contract and would like to recommend some common changes to the contract. Please see Appendix D

It is our intention to meet or exceed the Local Business Enterprise (LBE) participation requirement. Eurofins has committed to purchasing a new courier vehicle from Razzari Ford, 1234 Auto Center Drive, Merced, CA 95340. A sales quote is included in Appendix B of this proposal.

APPENDIX A

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Eurofins Eaton Analytical, Inc. - Fresno, CA

1921 N. Gateway, Suite 101

Fresno, CA 93727

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2966**

Expiration Date: **4/30/2017**

Effective Date: **4/21/2015**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board
Division of Drinking Water

April 21, 2015

Polly Barrowman, Laboratory Director
Eurofins Eaton Analytical, Inc.
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016

Dear Polly Barrowman: Certificate No. 2966

This is to advise you that the laboratory named above has been certified as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, *et seq.*

The Fields of Testing for which this laboratory has been certified are indicated on the enclosed "Fields of Testing" list. The certificate shall remain in effect until **April 30, 2017** unless it is revoked. This certificate is subject to an annual fee as dictated by HSC 100860.1(a).

The application for renewal of this certificate must be received before the expiration date of this certificate to remain in force according to HSC 100845(a).

Any changes in laboratory location or structural alterations, which may adversely affect the quality of analysis in the Fields of Testing for which this laboratory has been granted a certificate, require prior notification. Notification is also required for changes in ownership or laboratory director within 30 days of the change (HSC, Section 100845(b) and (d)).

Your continued cooperation with the above requirements is essential for maintaining the high quality of data produced by environmental laboratories certified by the State of California.

For general inquiries please contact our office at the phone number or email address listed below. For specific concerns regarding your certification, please contact me at (916) 341-5175 or at Christine.Sotelo@waterboards.ca.gov.

Sincerely,

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

Enclosure

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Eurofins Eaton Analytical, Inc. - Fresno, CA

1921 N. Gateway, Suite 101
Fresno, CA 93727
Phone: 559-797-1931

Certificate No.: 2966
Renew Date: 4/30/2017

Field of Testing: 101 - Microbiology of Drinking Water

101.011	001	Heterotrophic Bacteria	SimPlate
101.060	002	Total Coliform	SM9223B (Colilert)
101.060	003	E. coli	SM9223B (Colilert)
101.070	002	Total Coliform	SM9223B (Colisure)
101.070	003	E. coli	SM9223B (Colisure)
101.160	001	Total Coliform (Enumeration)	SM9223B (Colilert)
101.196	001	Heterotrophic Bacteria	SimPlate
101.200	001	E. coli (Enumeration)	SM9223 (Colilert Quantity Tray)
101.300	001	E. coli	SM9223B (Colilert)
101.301	001	E. coli	SM9223B (Colisure)

Field of Testing: 107 - Microbiology of Wastewater

107.245	002	E. coli	SM9223B (Colilert)

As of 4/30/2015 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Eurofins Eaton Analytical, Inc. - Monrovia

750 Royal Oaks Drive, Suite 100

Monrovia, CA 91016

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2813**

Expiration Date: **1/31/2017**

Effective Date: **2/1/2015**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

July 3, 2015

Dennis Leeke
Eurofins Eaton Analytical, Inc. - Monrovia
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016

Dear Dennis Leeke:

Certificate No. 2813

This is to advise you that the laboratory named above has been certified as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, *et seq.*

The Fields of Testing for which this laboratory has been certified are indicated on the enclosed "Fields of Testing" list. The certificate shall remain in effect until **January 31, 2017** unless it is revoked. This certificate is subject to an annual fee as determined by HSC 100860.1(a).

The application for renewal of this certificate must be received before the expiration date of this certificate to remain in force according to the HSC 100845(a).

Any changes in laboratory location or structural alterations, which may affect adversely the quality of analysis in the Fields of Testing for which this laboratory has been granted a certificate, require prior notification. Notification is also required for changes in ownership or laboratory director within 30 days of the change (HSC, Section 100845(b) and (d)).

Your continued cooperation with the above requirements is essential for maintaining the high quality of the data produced by environmental laboratories certified by the State of California.

For general inquiries, please contact our office at the phone number or email address listed below. For specific concerns regarding your application, please call (916) 341-5175 or email Christine.Sotelo@waterboards.ca.gov.

Sincerely,

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

Enclosure

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Eurofins Eaton Analytical, Inc. - Monrovia

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016
Phone: (626) 386-1100

Certificate No.: 2813
Renew Date: 1/31/2017

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM9215B
101.020	001	Total Coliform	SM9221B-2006
101.021	001	Fecal Coliform	SM9221B,E-2006
101.022	001	E. coli	SM9221B,F-2006
101.060	002	Total Coliform	SM9223B (Colilert)
101.060	003	E. coli	SM9223B (Colilert)
101.070	002	Total Coliform	SM9223B (Colisure)
101.070	003	E. coli	SM9223B (Colisure)
101.120	001	Total Coliform (Enumeration)	SM9221B,C-2006
101.130	001	Fecal Coliform (Enumeration)	SM9221B,E-2006
101.160	001	Total Coliform (Enumeration)	SM9223B (Colilert)
101.195	001	Heterotrophic Bacteria	SM9215B
101.200	001	E. coli (Enumeration)	SM9223 (Colilert Quantity Tray)
101.210	001	E. coli (Enumeration)	SM9221B,F-2006
101.300	001	E. coli	SM9223B (Colilert)
101.301	001	E. coli	SM9223B (Colisure)
101.305	001	E. coli	SM9221B,F-2006
101.307	001	Enterococci	SM9230B
101.310	001	Enterococci	Enterolert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

		Cyanide	OIA-1677, DW
102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	009	Sulfate	EPA 300.0
102.040	001	Bromide	EPA 300.1

As of 7/3/2015 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.040	008	Nitrite	EPA 300.1
102.044	001	Bromate	EPA 317.0
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.050	001	Cyanide	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.070	001	Phosphate, Ortho	EPA 365.1
102.095	001	Turbidity	SM2130B-2001
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.130	001	Conductivity	SM2510B-1997
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.180	001	Chlorine Dioxide	SM4500-ClO2 D
102.191	001	Cyanide, Total	SM4500-CN F
102.192	001	Cyanide, amenable	SM4500-CN G
102.200	001	Fluoride	SM4500-F B,C-1997
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
102.240	001	Phosphate, Ortho	SM4500-P E
102.242	001	Silica	SM4500-SiO2 C-1997
102.262	001	Total Organic Carbon TOC	SM5310C
102.263	001	Organic carbon-Dissolved DOC	SM5310C
102.270	001	Surfactants	SM5540C
102.280	001	UV254	SM5910B
102.565	001	Cyanide	OIA-1677, DW

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8

103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.301	001	Asbestos	EPA 100.2
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.030	003	1,2,3-Trichloropropane	EPA 504.1
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.036	001	1,2,3-Trichloropropane	SRL 525M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2

104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.055	000	Volatile Organic Compounds	EPA 524.3
104.055	001	Benzene	EPA 524.3
104.055	002	Carbon Tetrachloride	EPA 524.3
104.055	003	Chlorobenzene	EPA 524.3
104.055	004	1,2-Dichlorobenzene	EPA 524.3
104.055	005	1,4-Dichlorobenzene	EPA 524.3
104.055	006	1,2-Dichloroethane	EPA 524.3
104.055	007	cis-1,2-Dichloroethene	EPA 524.3
104.055	008	trans-1,2-Dichloroethene	EPA 524.3
104.055	009	Dichloromethane	EPA 524.3
104.055	010	1,2-Dichloropropane	EPA 524.3
104.055	011	Ethylbenzene	EPA 524.3
104.055	012	Styrene	EPA 524.3
104.055	013	Tetrachloroethene	EPA 524.3
104.055	014	1,1,1-Trichloroethane	EPA 524.3
104.055	015	Trichloroethene	EPA 524.3
104.055	016	Toluene	EPA 524.3
104.055	017	1,2,4-Trichlorobenzene	EPA 524.3

104.055	018	1,1-Dichloroethene	EPA 524.3
104.055	019	1,1,2-Trichloroethane	EPA 524.3
104.055	020	Vinyl Chloride	EPA 524.3
104.055	021	Xylenes, Total	EPA 524.3
104.056	000	Trihalomethanes, Total	EPA 524.3
104.056	001	Bromodichloromethane	EPA 524.3
104.056	002	Bromoform	EPA 524.3
104.056	003	Chloroform	EPA 524.3
104.056	004	Dibromochloromethane	EPA 524.3
104.057	000	Gasoline Additives	EPA 524.3
104.057	001	Di-isopropyl Ether (DIPE)	EPA 524.3
104.057	002	Methyl tert-butyl Ether (MTBE)	EPA 524.3
104.057	003	tert-Amyl Methyl Ether (TAME)	EPA 524.3
104.057	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.3
104.057	005	Trichlorofluoromethane	EPA 524.3
104.057	006	tert-Butyl Alcohol (TBA)	EPA 524.3
104.057	007	Trichlorotrifluoroethane	EPA 524.3

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	000	Pesticides	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	011	Lindane	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.083	000	Chlorinated Acids	EPA 515.4
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4
105.083	008	Dicamba	EPA 515.4
105.090	000	Semi-volatile Organic Compounds	EPA 525.2
105.090	001	Alachlor	EPA 525.2
105.090	002	Aldrin	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	005	Butachlor	EPA 525.2
105.090	006	Chlordane	EPA 525.2
105.090	007	Dieldrin	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2

105.090	013	Endrin	EPA 525.2
105.090	014	Heptachlor	EPA 525.2
105.090	015	Heptachlor Epoxide	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	018	Lindane	EPA 525.2
105.090	019	Methoxychlor	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.101	000	Carbamates	EPA 531.2
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.170	010	1,2-Dibromo-3-chloropropane	EPA 551.1
105.170	011	1,2-Dibromoethane	EPA 551.1
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1
105.175	004	Dibromochloromethane	EPA 551.1
105.175	005	Trihalomethanes	EPA 551.1
105.190	001	Bromoacetic Acid	SM6251B
105.190	003	Chloroacetic Acid	SM6251B
105.190	005	Dibromoacetic Acid	SM6251B
105.190	006	Dichloroacetic Acid	SM6251B
105.190	007	Trichloroacetic Acid	SM6251B
105.190	008	Haloacetic Acids (HAA5)	SM6251B
105.190	010	Chlorinated Herbicides	SM6251B
105.191	001	Haloacetic Acids (HAA5)	SM6251B (20th)
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screening O	EPA 1613

Field of Testing: 106 - Radiochemistry of Drinking Water

106.010	001	Gross Alpha and Beta Radiation	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.092	001	Uranium	EPA 200.8
106.270	001	Gross Alpha by Coprecipitation	SM7110C
106.610	001	Radon-222	SM7500-Rn
106.651	001	Radium-226	Georgia Inst. of Tech. rev 1.2
106.651	002	Radium-228	Georgia Inst. of Tech. rev 1.2

Field of Testing: 107 - Microbiology of Wastewater			
107.010	001	Heterotrophic Bacteria	SM9215B
107.020	002	Total Coliform	SM9221B-2006
107.030	002	Total Coliform with Chlorine Present	SM9221B-2006
107.040	002	Fecal Coliform	SM9221C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.100	002	Fecal Streptococci	SM9230B-2007
107.242	001	Enterococci	Enterolert
107.245	002	E. coli	SM9223B (Colilert)
107.245	003	E. coli	SM9223B (Colisure)
107.247	001	E. coli	SM9221B,F-2006
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.020	001	Conductivity	EPA 120.1
108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite as N	EPA 300.0
108.183	001	Cyanide, Total	EPA 335.4
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite as N	EPA 353.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus, Total	EPA 365.1
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.360	001	Phenols, Total	EPA 420.1
108.362	001	Phenols, Total	EPA 420.4
108.385	001	Color	SM2120B-2001
108.390	001	Turbidity	SM2130B-2001
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.430	001	Conductivity	SM2510B-1997
108.439	001	Residue, Volatile	SM2540E-1997
108.440	001	Residue, Total	SM2540B-1997

108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.465	001	Chlorine, Total	SM4500-Cl G-2000
108.465	002	Chlorine, Free	SM4500-Cl G-2000
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.474	001	Cyanide, Total	SM4500-CN F-1999
108.480	001	Fluoride	SM4500-F B,C-1997
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.508	002	Ammonia (as N)	SM4500-NH3 G-1997
108.536	001	Oxygen, dissolved	SM4500-O G-2001
108.540	001	Phosphate, Ortho	SM4500-P E-1999
108.541	001	Phosphorus, Total	SM4500-P E-1999
108.552	001	Silica, Dissolved	SM4500-SiO2 C-1997
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.595	001	Chemical Oxygen Demand	SM5220D-1997
108.597	001	Organic Carbon-Total (TOC)	SM5310C-2000
108.605	001	Surfactants	SM5540C-2000
108.927	001	Cyanide, available	OIA-1677-09

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8

109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
109.445	002	Chromium (VI)	SM3500-Cr B-2009
109.446	001	Chromium (VI)	SM3500-Cr C-2009
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.100	000	Acid/base/neutral Organic Compounds	EPA 625
111.103	000	Nitrosamines	EPA 625
Field of Testing: 112 - Radiochemistry of Wastewater			
112.010	001	Gross Alpha and Beta Radiation	EPA 900.0
112.010	002	Gross Beta	EPA 900.0
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020

114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.250	001	Fluoride	EPA 9056
114.270	001	Fluoride	EPA 9214
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste			
116.010	000	EDB and DBCP	EPA 8011
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.110	000	Extractable Organics	EPA 8270C
Field of Testing: 129 - Cryptosporidium & Giardia			
129.010	001	Cryptosporidium	EPA 1622
129.020	001	Cryptosporidium and Giardia	EPA 1623
129.020	001	Cryptosporidium and Giardia	EPA 1623

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Eurofins Calscience, Inc.

7440 Lincoln Way

Garden Grove, CA 92841-1427

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2944**

Expiration Date: **9/30/2016**

Effective Date: **10/1/2014**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

California State
Environmental Laboratory Accreditation Program

EDMUND G. BROWN JR.
Governor

March 12, 2015

Steven L. Lane
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427

Dear Steven L. Lane: Certificate No. 2944

This is to advise you that the laboratory named above has been certified as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, *et seq.*

The Fields of Testing for which this laboratory has been certified are indicated on the enclosed "Fields of Testing." The certificate shall remain in effect until **September 30, 2016** unless it is revoked. This certificate is subject to an annual fee as prescribed by HSC 100860.1(a).

The application for renewal of this certificate must be received before the expiration date of this certificate to remain in force according to the HSC 100845(a).

Any changes in laboratory location or structural alterations, which may affect adversely the quality of analysis in the Fields of Testing for which this laboratory has been granted a certificate, require prior notification. Notification is also required for changes in ownership or laboratory director within 30 days after the change (HSC, Section 100845(b) and (d)).

Your continued cooperation with the above requirements is essential for maintaining the high quality of the data produced by environmental laboratories certified by the State of California.

If you have any questions, please contact Angela Anand at (818) 551-2043.

Sincerely,

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

Enclosure

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Eurofins Calscience, Inc.

7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: (714) 895-5494

Certificate No.: 2944
Renew Date: 9/30/2016

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	008	Phosphate, Ortho	EPA 300.0
102.030	009	Sulfate	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.070	001	Phosphate, Ortho	EPA 365.1
102.095	001	Turbidity	SM2130B-2001
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.121	001	Hardness	SM2340C-1997
102.130	001	Conductivity	SM2510B-1997
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.148	001	Calcium	SM3500-Ca B-1997
102.174	001	Chlorine, Free	SM4500-Cl F-2000
102.174	002	Chlorine, Total Residual	SM4500-Cl F-2000
102.190	001	Cyanide, Total	SM4500-CN E
102.192	001	Cyanide, amenable	SM4500-CN G
102.200	001	Fluoride	SM4500-F B,C-1997
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000

As of 3/12/2015 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.220	001	Nitrite	SM4500-NO2- B-2000
102.232	002	Nitrate	SM4500-NO3- E-2000
102.240	001	Phosphate, Ortho	SM4500-P E
102.260	001	Total Organic Carbon	SM5310B
102.261	001	Organic carbon-Dissolved DOC	SM5310B
102.264	001	Total Organic Carbon	SM5310D
102.265	001	Organic carbon-Dissolved DOC	SM5310D

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
c	010	Manganese	EPA 200.8

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	002	Bromobenzene	EPA 524.2

104.040	003	Bromochloromethane	EPA 524.2
104.040	006	Bromomethane	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	012	Chloroethane	EPA 524.2
104.040	014	Chloromethane	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	018	Dibromomethane	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	030	1,3-Dichloropropane	EPA 524.2
104.040	031	2,2-Dichloropropane	EPA 524.2
104.040	032	1,1-Dichloropropene	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	036	Hexachlorobutadiene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	038	4-Isopropyltoluene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	053	1,2,3-Trichloropropane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2

104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	004	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
Field of Testing: 107 - Microbiology of Wastewater			
107.010	001	Heterotrophic Bacteria	SM9215B
107.020	002	Total Coliform	SM9221B-2006
107.030	002	Total Coliform with Chlorine Present	SM9221B-2006
107.040	002	Fecal Coliform	SM9221C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.100	002	Fecal Streptococci	SM9230B-2007
107.100	002	Enterococci	SM9230B
107.242	001	Enterococci	Enterolert
107.245	002	E. coli	SM9223B-2004
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.020	001	Conductivity	EPA 120.1
108.030	001	Hardness	EPA 130.1
108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.112	008	Phosphorus, Total	EPA 200.7
108.113	001	Boron	EPA 200.8
108.113	002	Calcium	EPA 200.8
108.113	003	Magnesium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	005	Silica	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0

108.120	014	Nitrite as N	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.141	001	Alkalinity	EPA 310.2
108.183	001	Cyanide, Total	EPA 335.4
108.209	001	Ammonia (as N)	EPA 350.1
108.209	001	Ammonia	EPA 350.1
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus, Total	EPA 365.1
108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus, Total	EPA 365.3
108.266	001	Phosphorus, Total	EPA 365.4
108.267	001	Phosphorus, Total	EPA 200.7
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.350	001	Total Recoverable Petroleum Hydrocarbons	EPA 418.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664A
108.385	001	Color	SM2120B-2001
108.390	001	Turbidity	SM2130B-2001
108.400	001	Acidity	SM2310B-1997
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.421	001	Hardness	SM2340C-1997
108.430	001	Conductivity	SM2510B-1997
108.439	001	Residue, Volatile	SM2540E-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.449	001	Calcium	SM3500-Ca B-1997
108.451	001	Chloride	SM4500-Chloride C-1997
108.464	001	Chlorine, Total	SM4500-Cl F-2000
108.464	002	Chlorine, Free	SM4500-Cl F-2000
108.472	001	Cyanide, Total	SM4500-CN C,E-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.480	001	Fluoride	SM4500-F B,C-1997
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.500	001	Ammonia	SM4500-NH3 C
108.501	001	Kjeldahl Nitrogen	SM4500-NH3 C
108.502	001	Ammonia	SM4500-NH3 E
108.502	002	Ammonia (as N)	SM4500-NH3 B,E-1997
108.511	001	Kjeldahl Nitrogen, Total (as N)	SM4500-Norg B- 1997
108.513	001	Kjeldahl Nitrogen, Total (as N)	SM4500-Norg D-1997
108.514	001	Nitrite as N	SM4500-NO2- B-2000
108.528	001	Nitrate-Nitrite (as N)	SM4500-NO3- E-2000
108.528	002	Nitrite as N	SM4500-NO3- E-2000
108.536	001	Oxygen, dissolved	SM4500-O G-2001

108.540	001	Phosphate, Ortho	SM4500-P E-1999
108.560	001	Sulfite	SM4500-SO3 B
108.572	001	Sulfate	SM4500-SO4 E
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.595	001	Chemical Oxygen Demand	SM5220D-1997
108.596	001	Organic Carbon-Total (TOC)	SM5310B-2000
108.598	001	Organic Carbon-Total (TOC)	SM5310D-2000
108.603	001	Oil & Grease Total	SM5520B-2001
108.605	001	Surfactants	SM5540C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8

109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	020	Gold	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
109.361	001	Mercury	EPA 1631E
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.020	000	Aromatic Volatiles	EPA 602
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Pesticides & PCBs	EPA 608
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020

114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.222	001	Cyanide	EPA 9014
114.230	001	Sulfides, Total	EPA 9034
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C
114.250	001	Fluoride	EPA 9056
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste			
116.020	031	Ethanol and Methanol	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.040	023	1,2-Dichlorobenzene	EPA 8021B
116.040	024	1,3-Dichlorobenzene	EPA 8021B
116.040	025	1,4-Dichlorobenzene	EPA 8021B
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021B
116.040	062	BTEX	EPA 8021B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.100	001	Total Petroleum Hydrocarbons - Gasoline	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline	LUFT
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.017	001	TRPH Screening	EPA 418.1
117.110	000	Extractable Organics	EPA 8270C
117.111	073	Polynuclear Aromatic Hydrocarbons	EPA 8270C
117.111	076	Other Extractables	EPA 8270C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.150	000	Carbonyl Compounds	EPA 8315A
117.170	000	Nitroaromatics and Nitramines	EPA 8330

117.171	000	Nitroaromatics and Nitramines	EPA 8330A
117.210	000	Organochlorine Pesticides	EPA 8081A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A
Field of Testing: 119 - Toxicity Bioassay of Hazardous Waste			
119.010	001	Fathead Minnow (P. promelas)	Polisini & Miller (CDFG 1988)
Field of Testing: 120 - Physical Properties of Hazardous Waste			
120.010	001	Ignitability	EPA 1010
120.022	001	Ignitability	EPA 1030
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C

APPENDIX B

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/14/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 1-800-300-0325 Holmes Murphy & Assoc - CR 500 1st Avenue NE, Suite 300 Cedar Rapids, IA 52401	CONTACT NAME: Michelle Gruis PHONE (A/C, No, Ext): 319-896-7715 FAX (A/C, No): 866-231-7822 E-MAIL ADDRESS: mgruis@holmesmurphy.com
INSURED Eurofins Eaton Analytical, Inc. 750 Royal Oaks Drive, Suite 100 Monrovia, CA 91016	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: HDI Global Insurance Company — 41343 INSURER B: Travelers Indemnity Company — 25658 INSURER C: Phoenix Insurance Company — 25623 INSURER D: AXA Corporate Solutions Assurance INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** 46587495 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			GLD1313801	01/01/16	01/01/17	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
B	AUTOMOBILE LIABILITY			HKCAP162D6535IND16	01/01/16	01/01/17	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			CUD1314001	01/01/16	01/01/17	EACH OCCURRENCE	$ 5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 5,000,000
	DED X RETENTION $ 10,000							$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N			HC2NUB157D379516	01/01/16	01/01/17	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) N / N/A						E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
D	Pollution Liability			XFR0077075LI	07/01/15	01/01/18	Per Claim/Aggregat	5,000,000
A	Professional Liability (Claims Made Coverage)			EOD1313901	01/01/16	01/01/17	Per Claim/Aggregat	5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The City of Merced, its officers, employees, volunteers and agents are included as Additional Insureds on the General Liability and Auto Liability as required by written contract with the insured, per policy terms and conditions. The Workers Compensation includes a Waiver of Subrogation in favor of the City of Merced when required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

City of Merced
678 West 18th Street
Merced, CA 95340
USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Kari Cooling

(This form must be returned with bid)

CITY OF MERCED
PROJECT NUMBER

PROJECT NAME

CERTIFICATION OF GOOD FAITH EFFORT

Bidders are required to initial the underlined space provided to the left of each applicable provision if the bidder achieved compliance and submit this certification checklist with the bid to the Office of the Purchasing Agent, at 2525 "O" Street, Merced, California 95340. Failure to submit the required checklist with the bid will render the bid non-responsive.

1. _____ The bidder is a certified Local Business Enterprise and is therefore automatically qualified for 100% credit. No other portions of this Certification of Good Faith Effort form (**except date, signature and contractor name**) are required to be filled out and detailed documentation is not required

(If item 1 above is not checked, please proceed)

2. DL The bidder is not a Local Business Enterprise. The bidder hereby certifies that his actual LBE participation, estimated at 25 %, exceeds the goal listed in the Notice Inviting Bids. No other portions of this Certification of Good Faith Effort form (**except date, signature and contractor name**) are required to be filled out. Within two days after bid opening, only item 7 of the detailed Good Faith Effort Documentation, listing LBEs who will be subcontractors on this project, is required if bidder is the low bidder. (If the bidder has checked this item and after the bids are opened, it is determined that the bidder has not actually met the goal, the bidder must submit a new certification form completely documenting the bidder has made a good faith effort as required below.)

(If item 1 or 2 in not checked, you must complete the remainder of this form)

3. _____ The bidder has made a good faith effort to obtain sub-bid participation by LBEs which could reasonably be expected to produce a level of participation by LBEs as called for in the Notice Inviting Bids.

4. _____ The bidder has identified and selected specific work items in the project to be performed by subbidder/subcontractors in order to provide an opportunity for participation by LBEs. Upon making this determination, the bidder subdivided the total contract work requirements into smaller portions or quantities to permit maximum active participation of LBEs. If the bidder's total identified opportunities for subcontracting are less than the requested participation, this shall not disqualify the bid. However, bidder must make a good faith effort on all identified subcontracting.

5. _____ The bidder has documented efforts to follow-up initial solicitations of sub-bid interest by contacting the affected business enterprises to determine with certainty whether said enterprises were interested in performing specific portions of the project work.

6 _____ The bidder has negotiated in good faith with interested LBEs and did not unjustifiably reject as unsatisfactory bids or proposals prepared by any enterprise, as determined by the City. As documentation due after the bid, the bidder must submit a list of all sub-bidders for each item of work solicited, including dollar amounts of potential work for LBEs.

7 _____ The bidder estimates that his total LBE participation will be _____%. (Actual amount to be provided with detailed documentation due after bid).

CERTIFICATION

I have used this checklist and certify that positive steps were taken and documented to ensure that all available LBEs have had an equal opportunity to compete for and participate in this project. I am submitting this Certification of Good Faith Effort checklist herewith as evidence of the "Good Faith Effort" made. I understand that if I am the low bidder I am required to submit detailed documentation (unless I am a certified LBE or only the list of LBE's if I have met the goal) by 5:00 P.M. within two working days after the day of the bid opening or if my bid is to be considered for award, I am required to submit detailed documentation by 5:00 P.M. within two working days after receiving the request from the Engineering Department. I understand that if my documentation does not demonstrate that I have complied with the requirements of the "Good Faith Effort Outreach Program" as required by these bid specifications or if I do not submit adequate documentation, that my bid will be deemed non-responsive by the City.

2/25/2016
Date

Officer's Signature

Eurofins Eaton Analytical
Firm Name:

Dennis J. Leeke / President
Officer's Name and Title (Type or Print)

(Detailed documentation to be submitted within two working days after bid opening by low bidder or as requested)

CITY OF MERCED

PROJECT NUMBER
PROJECT NAME

Name of Bidder: Eurofins Eaton Analytical

GOOD FAITH EFFORT DOCUMENTATION

1. If Bidder is an LBE, the bidder is not required to submit this form. **If Bidder is not an LBE, and has actually met the required LBE goal, he only needs to fill out Item 7 of this form and sign and date this form.**

2. List names and dates of advertisement of each newspaper and trade paper in which the bidder placed a request for LBE participation for this project.

Not applicable - LBE participation goal has been met.

3. List names and dates of all certified LBEs contacted or who contacted you for this project and the dates and methods used for the follow-up solicitation.

Name of LBE Solicited	Date of Solicitation	Name of LBE Solicited	Date of Solicitation
Razzari Ford Mazda	02/08/2016		

Name of LBE Solicited	Date of Solicitation	Name of LBE Solicited	Date of Solicitation

4. List items of work for which the bidder subbids or materials to be supplied by LBEs. If work items have been broken down into smaller portions, please indicate them below.

Items of Work	Items of Supplies
	2016 Ford Escape - Courier Vehicle

5. List the names of LBEs who submitted for any of the work indicated above which were not accepted, a summary of the bidder's discussions and/or negotiations with them, the name of the subcontractor or supplier that was selected for that portion of the work, and the reasons for the bidder's choice.

a. Names of Rejected LBEs:

n/a

b. Summary of Discussions and/or Negotiations:

n/a

c. List Names of subcontractors or suppliers that were selected over the rejected LBEs listed above and the reasons for that choice:

n/a

6. List any additional data to support a demonstration of good faith effort:

n/a

NOTE: USE ADDITIONAL SHEETS OF PAPER IF NECESSARY. APPROPRIATE DOCUMENTATION SUCH AS COPIES OF NEWSPAPER ADS, LETTERS SOLICITING BIDS, AND TELEPHONE LOGS SHOULD ACCOMPANY THIS FORM.

7. LOCAL BUSINESS ENTERPRISE (LBE) PARTICIPATION CALCULATIONS

CITY OF MERCED

PROJECT NUMBER
General Laboratory Services
PROJECT NAME

Name of Bidder: Eurofins Eaton Analytical

WORK ITEMS

	IDENTIFIED WORK ITEMS	LBE'S NAME	ITEM TOTAL
			$
			$
			$
			$
			$
			$
			$
			$
		TOTAL OF WORK ITEMS	$

SUPPLY ITEMS

	IDENTIFIED SUPPLY ITEMS	LBE'S NAME	ITEM TOTAL
			$
1	2016 Ford Escape	Razzari Auto Centers, Merced, CA	$28,475.67
			$
			$
			$
			$
			$
			$
			$
		TOTAL OF SUPPLY ITEMS	$ 28,475.67

CALCULATIONS

A) Total Amount of Work Items	=$
B) Total Amount of Supply Items	=$ 28,475.67
C) Total Amount of LBE Recognition (A + B)	=$
D) Total Bid Amount From Bid Proposal	=$ 113,539.00
E) Percent LBE Participation (C/D x 100)	= 25%

To the best of my knowledge, I believe the LBE Participation Calculations are true and accurate.

Signature of Bidder

Monica Van Natta

Name of Bidder (Print or Type)

02/29/2016

Date

```
 RAZFM-FI WAQ                    Quote Worksheet - Purchase            mmckay 6204
 1) Contract Date:                  01/29/16    Quote No.:        47493 (DMV Est.)
 2) Bank    (W):                       CASH  18) Service Contract:
 3) L,F Name:                                19) Maint.Contract(W):
 4) City/County/Zip(W):                      20) SalesTax %/Amt: 8.0000% $ 2,177.92
 5) Stock Number:
 6) >>M.S.R.P.:             $     27,945.00  21) DaysTo/1stPmtDate:         02/28/16
 7) SELLING PRICE:         $      26,945.00  22) >>P A Y M E N T<<:  $     28,475.67
 8) Total AMO/WeOwe(W):     $        199.00
 9) Customer Cash Down:                          Sale Subtotal:      $     25,695.00
10) Deferred Down   (W):                         Total Financed:     $     28,475.67
11) Rebate(s)       (W):     $     1,250.00      Finance Charge:
12) Trade(s) 1 & 2 (W):                          Total Other Charges:
    >>>Total Down:          $      1,250.00      Total of Payments:  $     28,475.67
13) DOC Fee :                $        80.00      Deferred Price:
14) CA Tire Fee:             $         8.75      Unpaid Balance:     $     28,475.67
15) DMV(F5=RS/F7=FEES):      $       290.00
16) Smog/GVW Fees   (W):
17) >>>Total Fees (W):       $       403.75
Command (?):

Enter a command, a field number, or press a function key. Enter ? for help.
 F3=Sv/Ex   F5=RRecall   F6=Cust   F7=Veh   F8=Trd   F10=Misc   SF11=>
```

Formerly MWH Laboratories

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

eurofins
the bioanalytical company

2015 EUROFINS US CAPEX

CAPEX No. EEA16008

LEGAL ENTITY	Eurofins Eaton Analytical, Inc.	Code	CUS032	New or Rev	
BUSINESS UNIT	Eaton	Code	4-719	Cost Center	8118 Sampling
CAPEX	Name/Title	Fresno Ford Escape			
	Category	Vehicles		Sub Category	Vehicles-Non take Home cars
BUDGET	Yes/No	No	Budget No.	Validated	
	Description	Ford Escape 4x4 for Sampling			

DETAIL OF PROPOSED EXPENDITURE	Amount USD	Comments
Gross cost of equipment	$28,250.00	
Freight/shipping		
Installation/training		
Service agreements/licenses		
Stated term or life, starting and ending		
Trade-in or other reduction If trade, provide description in "Comments."		
Tax		
Other costs:		
Net cost of project	$28,250.00	
Payment Terms	COD	
Depr Term		Depr Monthly Rate / Need term
Quarter and year of purchase	Q1 16	Quarter and year of payment: Q1 16
Funding method		Working Capital/Cash

SUGGESTED SOURCE Or VENDOR				
Company	Razzari Auto Centers			
Contact	Phillip Verduzco	phone/email	209) 658-1847/pverduzco@razzarifordmazda.moto	

Provide quotes and product documentation

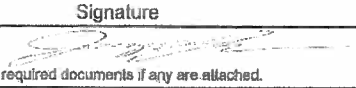
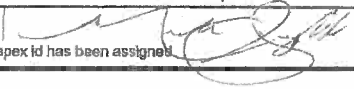
BASIS FOR JUSTIFICATION	check all applicable
Replacement of existing asset	
Legal requirement/obligation	
Cost saving initiative/potential	
New project/product line/protocol	Yes
Improvement/betterment of existing	
Quality requirement/improvement	
Other (list):	
Other (list):	

ASSET CONSIDERATIONS	check all applicable	
Will include personal computer?	No	Yes, contact IT
Is this Pharmaceutical CI 1 purchase 1-P-QM-QMA-9017418 ?	No	Yes, contact Validation group
Will a radioactive source be included?	No	
Does equipment generate radiation? (X-ray,microwaves,electromagnetic fields)	No	Yes, contact your BU Safety Officer or EHS
Will this require ventilation control or other safety concerns?	No	

STATEMENT OF JUSTIFICATION: 4x4 sampling vehicle — Necessary for rugged sampling environments

LEVEL OF PRIORITY	1	1. Urgent: Affects Critical Ops.	2. Moderate: Necessary for Imprvmt.	3. Low: Current Ops. Can Continue

APPROVALS WITH INITIALS	FACILITIES		SAFETY		IT	

SIGNATURES/APPROVALS	Name	Signature	Date
REQUESTER	Jeremy Hansen		7-Feb
	Signifies that all required information is entered and required documents if any are attached.		
BU MANAGER	Dennis Leeke	attached	
	Signifies that all information has been reviewed, is accurate and complete, and approves the investment of BU funds.		
MANAGEMENT	Paul Wise	attached	
	Signifies that the investment of funds in the requested project is approved on a country level.		
COUNTRY FINANCE	Ralf Fassbender	attached	
	Signifies that the financing is available or will be made available to fund the purchase.		
MGR	Matthew Hertweck	M. Hert	2.11.16
	Signifies that the terms of the purchase have been reviewed and deemed acceptable.		
CAPEX COORDINATOR	Michael Graybill		2.18.16
	Signifies that approvals are completed and capex id has been assigned.		

COMMENTS

Ford

Go Further

VEHICLE DESCRIPTION

ESCAPE

GU B73378

EXTERIOR
OXFORD WHITE
INTERIOR
CHARCOAL BLACK CLOTH SEATS

5-SPEED SELECTSHIFT AUTO TR

STANDARD EQUIPMENT INCLUDED AT NO EXTRA CHARGE

EXTERIOR

INTERIOR

FUNCTIONAL
• AIR CONDITIONING
• AM/FM SINGLE CD W/MP3
• MESSAGE CTR, OUTSIDE TEMP, COMPASS, TRIP COMPUTER
• POWER LOCKS AND WINDOWS
• POWER STEERING W/EPAS
• REARVIEW CAMERA
• REMOTE KEYLESS ENTRY
• SECURICODE, KEYLESS ENTRY
• SYNC

SAFETY/SECURITY
• AIRBAG - DRIVER KNEE
• AIRBAGS - DUAL STAGE FRONT
• AIRBAGS - FRONT SEAT MOUNTED SIDE IMPACT
• AIRBAGS - SAFETY CANOPY
• LATCH CHILD SAFETY SYSTEM
• PERSONAL SAFETY SYSTEM

WARRANTY
• POWERTRAIN
• ROADSIDE ASSIST

INCLUDED ON THIS VEHICLE (MSRP)

OPTIONAL EQUIPMENT/OTHER

NO CHARGE

PRICE INFORMATION
BASE PRICE
TOTAL OPTIONS/OTHER

TOTAL VEHICLE & OPTIONS/OTHER
DESTINATION & DELIVERY

TOTAL BEFORE DISCOUNTS
SYNC AND SOUND DISCOUNT

TOTAL SAVINGS - 400.00

TOTAL MSRP $27,045.00

RA78

LOUISVILLE

RAIL

EPA DOT Fuel Economy and Environment

Fuel Economy

25 MPG

22 city 29 highway

4.0 gallons per 100 miles

You save $0 in fuel costs over 5 years

Annual fuel cost $1,800

Fuel Economy & Greenhouse Gas Rating

1 6 10

fueleconomy.gov

GOVERNMENT 5-STAR SAFETY RATINGS

Overall Vehicle Score		★★★★
Frontal Crash	Driver	★★★★
	Passenger	★★★★
Side Crash	Front seat	★★★★★
	Rear seat	★★★★★
Rollover		★★★★

120151121748?

APPENDIX C

Eurofins Eaton Analytical

City of Merced - 2016

Line #	# of Samples	Parameter	Method	Price/Sample	Total Price
1	10	STLC Extraction	CAL WET	$ 9.50	$ 95.00
2	80	Silver (Ag)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 400.00
3	40	Silver (Ag)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
4	10	Silver (Ag)	EPA 6010 or 6020 (solid)	$ 9.00	$ 90.00
5	10	Silver (Ag)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
6	80	Aluminum (Al)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 400.00
7	40	Aluminum (Al)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
8	10	Aluminum (Al)	EPA 6010 or 6020 (solid)	$ 9.00	$ 90.00
9	87	Antimony (Sb)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 435.00
10	40	Antimony (Sb)	EPA 200.8 (DW)	$ 5.00	$ 200.00
11	10	Antimony (Sb)	EPA 6010 or 6020 (solid)	$ 9.00	$ 90.00
12	10	Antimony (Sb)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
13	75	Arsenic (As)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 375.00
14	50	Arsenic (As)	EPA 200.8 (DW)	$ 5.00	$ 250.00
15	10	Arsenic (As)	EPA 6010 or 6020 (solid)	$ 9.00	$ 90.00
16	10	Arsenic (As)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
17	5	Barium (Ba)	EPA 200.7 or 200.8 (WW)	$ 6.00	$ 30.00
18	96	Beryllium (Be)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 480.00
19	40	Beryllium (Be)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
20	20	Beryllium (Be)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
21	10	Beryllium (Be)	EPA 6010 or 6020 (liquid)	$ 9.00	$ 90.00
					$ -
22	100	Cadmium (Cd)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 500.00
23	40	Cadmium (Cd)	EPA 200.7 or 200.8 (DW)	$ 6.00	$ 240.00
24	20	Cadmium (Cd)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
25	10	Cadmium (Cd)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
26	100	Chromium (Cr)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 500.00
27	40	Chromium (Cr)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
28	20	Chromium (Cr)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
29	10	Chromium (Cr)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
30	48	Hexavalent Chromium (Cr+6)	EPA 218.6 (WW)	$ 32.00	$ 1,536.00
					$ -
31	100	Copper (Cu)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 500.00
32	40	Copper (Cu)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
33	20	Copper (Cu)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
34	10	Copper (Cu)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -

Eurofins Eaton Analytical

City of Merced - 2016

35	5	Iron (Fe)	EPA 200.7 (WW)	$ 6.00	$ 30.00
					$ -
36	100	Mercury (Hg)	EPA 245.1 or 245.2 or 200.8 (WW)	$ 6.00	$ 600.00
37	40	Mercury (Hg)	EPA 245.1 or 245.2 or 200.8 (DW)	$ 5.00	$ 200.00
38	20	Mercury (Hg)	EPA 7471 or 6020A (solid)	$ 9.00	$ 180.00
39	10	Mercury (Hg)	EPA 7470 or 6020 A (liquid)	$ 6.00	$ 60.00
40	4	Mercury (Hg)	EPA 1631 (low level)		$ -
					$ -
41	100	Lead (Pb)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 500.00
42	40	Lead (Pb)	EPA 200.8 (DW)	$ 5.00	$ 200.00
43	20	Lead (Pb)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
44	10	Lead (Pb)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
45	87	Manganese (Mn)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 435.00
46	40	Manganese (Mn)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
47	20	Manganese (Mn)	EPA 6010 (solid)	$ 9.00	$ 180.00
					$ -
48	87	Molybdenum (Mo)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 435.00
49	40	Molybdenum (Mo)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
50	20	Molybdenum (Mo)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
					$ -
51	75	Nickel (Ni)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 375.00
52	40	Nickel (Ni)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
53	20	Nickel (Ni)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
54	10	Nickel (Ni)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
55	86	Selenium (Se)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 430.00
56	40	Selenium (Se)	EPA 200.8 (DW)	$ 5.00	$ 200.00
57	20	Selenium (Se)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
58	10	Selenium (Se)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
59	87	Thallium (Tl)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 435.00
60	40	Thallium (Tl)	EPA 200.8 (DW)	$ 5.00	$ 200.00
61	20	Thallium (Tl)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
62	10	Thallium (Tl)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
63	157	Zinc (Zn)	EPA 200.7 or 200.8 (WW)	$ 5.00	$ 785.00
64	40	Zinc (Zn)	EPA 200.7 or 200.8 (DW)	$ 5.00	$ 200.00
65	20	Zinc (Zn)	EPA 6010 or 6020 (solid)	$ 9.00	$ 180.00
66	10	Zinc (Zn)	EPA 6010 or 6020 (liquid)	$ 6.00	$ 60.00
					$ -
67	50	Volatile Organics	EPA 601/602 or 624 (WW)	$ 50.00	$ 2,500.00
68	200	Volatile Organics	EPA 502.2 or 524.2 (DW)	$ 45.00	$ 9,000.00
69	15	Volatile Organics	EPA 524.2 (DW)	$ 45.00	$ 675.00
70	30	Volatile Organics	EPA 624 (WW)	$ 59.00	$ 1,770.00
71	10	Volatile Organics	EPA 1624 (Low Level)	$ 120.00	$ 1,200.00
72	400	Volatile Organics	EPA 8260B (water/solids)	$ 65.00	$ 26,000.00
					$ -

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City of Merced - 2016

73	46	OCL Pesticides	EPA 608 or 625 (WW)	$ 89.00	$ 4,094.00
74	20	OCL Pesticides	EPA 1656 or 8270 (Water)	$ 89.00	$ 1,780.00
75	18	OCL Pesticides	EPA 505 (DW)	$ 50.00	$ 900.00
76	18	OCL Pesticides	EPA 508 or 525.2 (DW)	$ 45.00	$ 810.00
					$ -
77	25	OP Pesticides	EPA 8141 or 8260 (solids)	$ 79.00	$ 1,975.00
78	10	OP Pesticides	EPA 1657 or 8270 (water)	$ 79.00	$ 790.00
79	18	OP Pesticides	EPA 507 or 525.2 (DW)	$ 45.00	$ 810.00
					$ -
80	20	Herbicides	EPA 1658 or 8151 (water)	$ 100.00	$ 2,000.00
81	18	Herbicides	EPA 515.1 or 515.3 (DW)	$ 79.00	$ 1,422.00
82	18	Herbicides	EPA 549.2 (DW)	$ 79.00	$ 1,422.00
83	18	Herbicides	EPA 547 (DW)	$ 40.00	$ 720.00
					$ -
84	41	Pesticides	EPA 608 or 625 (WW)	$ 89.00	$ 3,649.00
85	35	Pesticides	EPA 504.1 (DW)	$ 35.00	$ 1,225.00
86	10	Pesticides	EPA 8011 or 8260 (solids)	$ 50.00	$ 500.00
87	10	Pesticides	EPA 8141 or 8270 (solids)	$ 65.00	$ 650.00
					$ -
88	35	BNA Compounds	EPA 625 (WW)	$ 125.00	$ 4,375.00
89	10	BNA Compounds	EPA 1625 or 8270 (Low Level)	$ 125.00	$ 1,250.00
					$ -
90	6	Dioxin	EPA 8290 (solids)	$ 600.00	$ 3,600.00
91	6	Dioxin	EPA 1613 (water)	$ 215.00	$ 1,290.00
					$ -
92	30	TTHMs	EPA 502.2 or 524.2 (DW)	$ 40.00	$ 1,200.00
					$ -
93	20	HAA5	EPA 552.2 or 552.3 (DW)	$ 60.00	$ 1,200.00
					$ -
94	15	Ammonia (as N)	SM 4500-NH3	$ 33.00	$ 495.00
					$ -
95	50	Cyanide	EPA 335.4 or SM 4500-CN	$ 25.00	$ 1,250.00
					$ -
96	10	Title 22 Minerals	General, Physical, and Inorganic	$ 144.00	$ 1,440.00
					$ -
97	16	Standard Minerals		$ 82.00	$ 1,312.00
					$ -
98	50	Oil and Grease	EPA 1664A	$ 30.00	$ 1,500.00
					$ -
99	52	Total Nitrogen/TKN	SM 351.2	$ 20.00	$ 1,040.00
					$ -
100	52	Total Oxidizable Nitrogen (as N)	SM 4500-NO3-F	$ 12.00	$ 624.00
					$ -
101	20	Total Nitrogen/TKN	SM4500-NH3/Norg	$ 30.00	$ 600.00
					$ -
102	20	Nitrate (as NO3)	EPA 300.0	$ 10.00	$ 200.00
					$ -

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City of Merced - 2016

103	20	Nitrate (as N)	EPA 300.0	$ 10.00	$ 200.00
					$ -
104	20	Chloride	EPA 300.0	$ 10.00	$ 200.00
					$ -
105	36	Fluoride	EPA 300.0 or SM 4500-F	$ 10.00	$ 360.00
					$ -
106	50	Sulfate	EPA 300.0	$ 10.00	$ 500.00
					$ -
107	50	Sulfide (as S)	SM 4500-S	$ 14.00	$ 700.00
					$ -
108	50	Sulfide (as SO3)	SM 4500- SO3	$ 25.00	$ 1,250.00
					$ -
109	50	Hardness (as CaCO3)	SM 2340 B	$ 14.00	$ 700.00
					$ -
110	20	Foaming Agents (MBAS)	SM 5540 C	$ 20.00	$ 400.00
					$ -
111	40	Phosphorus, Total (as P)	EPA 365.4 or SM 4500-P	$ 10.00	$ 400.00
					$ -
112	20	pH	SM 4500-H B	$ 5.00	$ 100.00
					$ -
113	60	Specific Conductance (EC)	EPA 120.1 or SM2510 B	$ 5.00	$ 300.00
					$ -
114	60	Total Dissolved Solids (TDS)	EPA 2540 C	$ 10.00	$ 600.00
					$ -
115	15	Radio Nuclides	As approved by EPA for Waste	$ 27.00	$ 405.00
					$ -
116	18	Uranium	As approved by SWRCB	$ 15.00	$ 270.00
					$ -
117	70	Total Petroleum Hydrocarbons	All Fractions, SWRCB approved method	$ 60.00	$ 4,200.00
					$ -
118	5	Fecal Coliform	SM9221E	$ 10.00	$ 50.00
					$ -
119	5	Presence/ Absence Coliform	SM 9223	$ 40.00	$ 200.00
					$ -
120	7	Tributyl Tin	GC/MS	$ 220.00	$ 1,540.00
					$ -
121	42	UCMR4	EPA 524.3 (UCMR4 will be performed 2x/yr	See proposal page 4	
122	42	UCMR4	EPA 200.8	See proposal page 4	
123	42	UCMR4	EPA 218.7	See proposal page 4	

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124	42	UCMR4	EPA 300.1	See proposal page 4	
125	42	UCMR4	EPA 537	See proposal page 4	
126	42	UCMR4	EPA 539	See proposal page 4	
				Total Bid:	**$ 113,539.00**

eurofins | Eaton Analytical

Additional Service Offerings

(Prices do not reflect City of Merced discount)

Formerly MWH Laboratories

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

Eurofins Eaton Analytical

ANALYSIS	Price ($)	Test Type	Ref Method	UNITS	Std TAT (working days)	BOTTLE TYPE*	IDEAL SAMPLE SIZE*	PRESERVATIVE*		HOLDING TIME*	
								RAW	FINISHED	EXTRACT	ANALYSIS
Actinomycetes	$175	MF	SM 9250	CFU/ml	10	Poly	500 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	-----	24 Hours
Acrylamide	$250	LC/MS/MS	MWH/ LCMSMS	ug/l	15	Amber Glass	125 ml	None	None	-----	28 Days
Aldehydes	$250	GC/ECD	EPA 556/556.1	ug/l	10	Glass	(2) 40 ml	NH_4Cl+ CuSO4	NH_4Cl+ CuSO4	-----	7 days
Aldehydes- Formaldehyde/Acetaldehyde only	$200	GC/ECD	EPA 556/556.1	ug/l	10	Glass	(2) 40 ml	NH_4Cl+ CuSO4	NH_4Cl+ CuSO4	-----	7 Days
Algae Enumeration (plankton)	$150	Microscopy	Flow Cytometry	#/ml	5	Poly	1 L	None	None	-----	7 Days
Algae Identification (plankton)	$150	Microscopy	Flow Cytometry	N/A	5	Poly	1 L	None	None	-----	7 Days
Algal Toxins			Elisa/LC-MS-MS		15						28 Days
Anatoxin-a	$300	LC/MS/MS	EPA 545 mod	ug/l	10	A-glass	40 ml	None	special	-----	28 Days
Cylindrospermopsin	$200	LC/MS/MS	EPA 545 mod	ug/l	10	A-glass	40 ml	None	special	-----	28 Days
Saxitoxin (pending-not currently offered)	$400	LC/MS/MS	LC-MS-MS	ug/L	10	A-glass	40 ml	None	special	-----	28 Days
Cylindrospermopsin & Anatoxin-a	$400	LC/MS/MS	EPA 545 mod	ug/L	10	A-glass	40 ml	None	special	-----	28 Days
Cylindrospermopsin & anatoxin a & Microcystins (LR, LA, RR, YR, LF, LY) and Nodularin	$500	LC/MS/MS	In house LC-MS-MS	ug/L	10	A-glass	40 ml	None	ascorbic	-----	28 Days
Cylindrospermopsin & anatoxin a & Microcystins (LR, LA, RR, YR, LF, LY) and Nodularin- Low level	$550	LC/MS/MS	In house LC-MS-MS	ug/L	10	A-glass	40 ml	None	ascorbic	-----	28 Days
Microcystin-LR by LC-MS-MS	$250	LC-MS-MS	In house LC-MS-MS	ug/l	10	A-glass	40 ml	None	ascorbic	-----	28 Days
Microcystin-LR by LC-MS-MS- low level	$300	LC-MS-MS	In house LC-MS-MS	ug/l	10	A-glass	40 ml	None	ascorbic	-----	28 Days
Microcystin-LR	$200	Immunoassay	Elisa	ug/l	10	A-glass	40 ml	None	Thio or ascorbic	-----	28 Days
Microcystins (LR, LA, RR, and YR) and nodularin	$450	LC/MS/MS	In house LC-MS-MS	ug/l	10	A-glass	40 ml	None	ascorbic	-----	28 Days
Microcystins (LR, LA, RR, and YR) and nodularin-low level	$475	LC/MS/MS	In house LC-MS-MS	ug/l	10	A-glass	40 ml	None	ascorbic	-----	28 Days
Microcystins (LR, LA, RR, and YR) and nodularin-544	$550	LC/MS/MS	EPA 544	ug/l	10	A-glass	1L	None	special	-----	28 Days
Alkalinity, Total	$25	Titration	SM2320B	mg/l	10	Poly	125 ml	None	None	-----	14 Days
Alkalinity, all forms by titration	$75	Titration	SM2320B	mg/l	10	Poly	125 ml	None	None	-----	14 Days
Aluminum by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Aluminum by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Anion Sum in meq/L(for major anions)	$25	Calculation	SM 1040	meq/l	10						
Anions (3)- Cl, SO4, NO3	$75	IC/RFA	EPA 300.0/353.2	mg/l	10	Poly	125 ml	None	None	-----	48 Hours
Antimony by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Arsenic - Low Level	$50	ICP/MS	EPA 200.8	ug/L	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Arsenic III	$75	Resin-ICP/MS	EPA 200.8	ug/l	10	A-Poly (amber)	125 ml	EDTA+HAC	EDTA+HAC	-----	14 Days
Arsenic V (by difference)	$100	Resin-ICP/MS	EPA 200.8	ug/l	10	A-Poly (amber)	125 ml	EDTA+HAC	EDTA+HAC	-----	14 Days
Arsenic by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Asbestos	$300	TEM	EPA 100.2	MFL	15	Poly-sonicated	1 L	None	None	-----	48 Hours
Assimilable Organic Carbon (AOC)	$300	Fluorescence Micro	Weinrich et al	ug /l	10	Glass	250 ml	sterile plus thio	sterile plus thio	pasteurize within 48 Hours	5 days
ATP	$125	Luminometry	BD100	ng/l	10	sterile poly	120 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$ 10-35mg	-----	24 Hours
Bacti-Coliform T/F (Drinking Water)	$30	MTF	SM 9223B	MPN	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacti-Coliform T/F (Drinking Water)	$30	MTF-18 hrs	SM 9223B	MPN	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacti-Coliform T/F (Drinking Water)	$30	Colilert	SM9223	N/A	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacti-Coliform T/F (Drinking Water)	$30	Colisure	SM9223B	N/A	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacti- Total Coliform/E. coli (MPN)	$50	`QT2000	SM9223B	N/A	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacti-Fecal Coliform	$50	MF	SM9222D	N/A	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacti-Heterotrophic Plate Count	$25	Pour Plate	SM9215B	CFU/ml	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacti-Heterotrophic Plate Count	$25	Spread Plate	SM9215C	CFU/ml	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacti-Heterotrophic Plate Count (MPN)	$35		Simplate	CFU/ml	5	Poly	100 ml	$Na_2S_2O_3$ 10-35mg	$Na_2S_2O_3$	-----	24 Hours
Bacteria- Iron	$175	Microscopy	Light Microscope	colonies	15	Poly	1L sterile	None	None	N/A	N/A
Barium by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Barium by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Beryllium by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Biochemical Oxygen Demand	$100	DO meter	SM 5210B	mg/l	10	Poly	1 L	None	None	48 hours	5 days (read)
Biodegradable Organic Carbon	$250	ubation/UV-persulfa	Allgeier, 1996	mg/l	15	Glass	250 ml	None	None	48 hours	N/A
Bismuth by ICPMS	$50	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Boron by ICP	$20	ICP	EPA 200.7	mg/l	10	Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Boron by ICPMS	$20	ICP/MS	EPA 200.8	ug/l	10	Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Bromate- Low Level	$100	IC	EPA 317	ug/l	10	Poly	125 ml	Ethylene Diamine	Ethylene Diamine	-----	28 Days
Bromate	$100	IC	EPA 300.1	ug/l	10	Poly	125 ml	Ethylene Diamine	Ethylene Diamine	-----	28 Days
Bromate by LC-MS-MS	$150	LC-MS-MS	LC-MS-MS	ug/l	5	Poly	125 ml	Ethylene Diamine	Ethylene Diamine	-----	28 Days
Bromide	$40	IC	EPA 300.0	ug/l	10	Poly	125 ml	None	None	-----	28 Days
Bromide, chlorate, & chlorite	$100	IC	EPA 300.0B	ug/l	10	Poly	125 ml	None	None	-----	28 Days
Fluoride, chloride, nitrate, & sulfate by IC	$100	IC	EPA 300.0A	mg/l	10	Poly	125 ml	None	None	-----	2 Days
Cadmium by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Calcium by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3		6 Months
Carbamates-Low Level	$200	HPLC	EPA 531.2	ug/l	15	Glass	(2) 40 ml	Citrate+Thio	Citrate+Thio	-----	28 Days
Carbamates (11)	$200	HPLC	EPA 531.2	ug/l	15	Glass	(2) 40 ml	Citrate+Thio	Citrate+Thio	-----	28 Days
Carbamates - Phase II & V	$175	HPLC	EPA 531.2	ug/l	15	Glass	(2) 40 ml	Citrate+Thio	Citrate+Thio	-----	28 Days
Carbon Dioxide (Free-by calculation)	$25	TDS, ALK, PH, Calc	4500-CO2 B	mg/l	10						
Carboxylic Acids- Confirmation	$150	LC-MS-MS	L240	ug/l	15	A-Poly	125 ml	HgCl2	HgCl2	-----	TBD
Carboxylic Acids by LC-MS-MS	$350	LC-MS-MS	L240	ug/l	15	A-Poly	125 ml	HgCl2	HgCl2	-----	TBD
Carboxylic Acids by IC	$350	IC	IC300	ug/l	15	A-Poly	125 ml	HgCl2	HgCl2	-----	TBD
Cation Sum	$25	Calculation	SM 1040	meq/l	10						
Cations (4) by ICP	$80	CA/MG/NA/K	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Chemical Oxygen Demand	$50	Colorimetric	EPA 410.4SM 5220D	mg/l	10	Glass	125 ml	H2SO4	H2SO4	-----	28 days
Chloral Hydrate	$150	GC/ECD	EPA 551.1	ug/l	10	Glass	(3) 40 ml	Sulfite+buffer	Sulfite+buffer	14 days	14 Days
Chlorate (non UCMR3)	$50	IC	EPA 300.0/300.1	ug/l	10	Poly	125 ml	EDA	EDA	-----	28 Days
Chloride	$25	IC	EPA 300.0	mg/l	10	Poly	125 ml	None	None	-----	28 Days
Chlorine Demand	$175	Colorimetric	SM 2350	mg/l	15	Glass	250 ml	None	None	-----	24 Hours
Chloramines residual	$40	Colorimetric	SM 4500CL-G	mg/l	5	Glass	250 ml	None	None	-----	15 min(field)
Chlorine Dioxide Residual	$30	Colorimetric	SM 4500CLO2-D	mg/l	5	Glass	250 ml	None	None	-----	15 min(field)

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ANALYSIS	Price ($)	Test Type	Ref Method	UNITS	Std TAT (working days)	BOTTLE TYPE*	IDEAL SAMPLE SIZE*	PRESERVATIVE*		HOLDING TIME*	
								RAW	FINISHED	EXTRACT	ANALYSIS
Chlorine Residual (Free)	$25	Colorimetric	SM 4500CL-G	mg/l	5	Glass	250 ml	None	None	-----	15 min(field)
Chloramines (Low Level)	$25	Colorimetric	SM 4500CL-G	mg/l	5	Glass	250 ml	None	None	-----	15 min(field)
Chlorine Residual (Free-Low Level)	$30	Colorimetric	SM 4500CL-G	mg/l	5	Glass	250 ml	None	None	-----	15 min(field)
Chlorine Residual (Total-Low Level)	$30	Colorimetric	SM 4500CL-G	mg/l	5	Glass	250 ml	None	None	-----	15 min(field)
Chlorine Residual (Total)	$25	Colorimetric	SM 4500CL-G	mg/l	5	Glass	250 ml	None	None	-----	15 min(field)
Chlorite (may require sparging)	$50	IC	EPA 300.1B	ug/l	10	Amber G or Poly	60 ml	Ethylene Diamine	Ethylene Diamine	-----	14 Days
Chromium by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Chromium Low Level by ICP/MS	$50	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Chromium, Hexavalent (low level)	$100	IC	EPA 218.6	ug/l	10	Poly	125 ml	buffer	buffer		5 days
Chromium, Hexavalent (low level)	$100	IC	EPA 218.7	ug/l	10	Poly	125 ml	buffer	buffer		14 Days
Chromium, Hexavalent	$75	Colorimetric	SM3500CR B	ug/l	10	Poly	125 ml	buffer	buffer	-----	28 days
Chromium, Hexavalent-RCRA	$125	Colorimetric	SW7196	ug/l	3	Poly	125 ml	buffer	buffer		24 Hours
Chromium, Hexavalent-RCRA	$125	IC	SW7199	ug/l	3	Poly	125 ml	buffer	buffer		24 Hours
Cobalt by ICP-MS (non UCMR3)	$20	ICP/MS	EPA 200.8	ug/l	10	Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Coliphage (advance noticed needed)	$200	Assay	EPA 1601/1602	PFU/ml	15	Poly	1L	None	None	-----	24 Hours
Color (Apparent)	$15	Visual	SM2120B	ACU	5	Glass	500 ml	None	None	-----	48 Hours
Color (True)	$25	Visual	SM2120B	TCU	5	Glass	500 ml	None	None	-----	48 Hours
Color (apparent & true)	$30	Visual	SM2120B	PC	5	Glass	500 ml	None	None	-----	48 Hours
Conductivity (Specific Conductance)	$15	Electrometric	SM2510B	umho/cm	10	Poly	125 ml	None	None	----	28 days
Copper by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Copper by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months
Corrosivity/Langelier Index	$100	Ca, pH, Alk, calc	SM 2330B	Units	10	Poly	(2) 500 ml	None	None	-----	14 Days
Corrosivity/Langelier Index (calc - requires other tests)	$25	Calculation only	SM 2330B	Units	10	Poly	(2) 500 ml	None	None	-----	14 Days
Cyanide, Amenable	$100	Colorimetric/RFA	SM4500CN-G	mg/l	15	Poly	1 L	NaOH	NaOH	----	14 Days
Cyanide-Free (Drinking Water)	$50	Probe	SM4500CN-F	mg/l	10	Poly	250 ml	NaOH	NaOH+ascorbic	-----	14 Days
Cyanide, Total (Wastewater or DW)	$75	Colorimetric/RFA	EPA 335.4	mg/l	10	Poly	250 ml	NaOH	NaOH+ascorbic	-----	14 Days
Cyanogen Chloride Screen	$125	Colorimetric/RFA	EPA 335.4mod	ug/l	5	Glass	(2) 40 ml	None	None		2 Days
Dioxane, 1,4- Low Level (UCMR3 or non UCMR)	$250	GC/MS	EPA 522	ug/l	15	Amber Glass	(3) 125mL	Bisfulfate	Bisulfate+sulfite	28 days	28 Days
Dioxane, 1,4- Low Level	$200	GC/MS	EPA 522	ug/l	15	Amber Glass	(3) 125mL	Bisfulfate	Bisulfate+sulfite	28 days	28 Days
Dioxin-Drinking Water	$400	GC/MS/MS	EPA 1613B	pg/l	15	Glass	(2) 1 L	None	Thio	1 year	40 days
Dioxin-Drinking Water >1 NTU (subbed)	$450	GC/MS/MS	EPA 1613B	pg/l	15	Glass	(2) 1 L	None	Thio	1 year	40 days
Diquat/Paraquat	$200	HPLC	EPA 549.2	ug/l	10	amber poly	1L	H2SO4	$Na_2S_2O_3$	7 Days	21 Days
Diquat	$175	HPLC	EPA 549.2	ug/l	10	amber poly	1L	H2SO4	$Na_2S_2O_3$	7 Days	21 Days
Diquat - low level	$200	HPLC	EPA 549.2	ug/l	10	amber poly	1L	H2SO4	$Na_2S_2O_3$	7 Days	21 Days
Dissolved Metals (ICP or ICPMS)	$20 each	lab filter	EPA200.7 or 200.8	ug/l	10	poly	250 ml	None	None	2 days	6 Months
EDB and DBCP	$80	GC/ECD	EPA 551.1	ug/l	10	Glass	(2) 40ml	Buffer	Buffer	14 days	14 Days
EDB, DBCP	$100	GC/ECD	EPA 504.1	ug/l	10	Glass	(3) 40 ml	None	$Na_2S_2O_3$	14 days	1 day
EDB, DBCP, and TCP	$120	GC/ECD	EPA 504.1	ug/l	10	Glass	(3) 40 ml	None	$Na_2S_2O_3$	14 days	1 day
EDC/PPCP/Hormone small volume screen (90 plus cmpds)	$900	LC-MS-MS	LC-MS-MS	ppt	25	Amber Glass	(1) 40 ml	Omadine+ascorbic	Omadine+ascorbic		28 days
EDCs - PPCP ESneg or ESpos only	$500	LC-MS-MS	LC-MS-MS	ppt	25	Amber Glass	(2) 500 ml	Omadine+ascorbic	Omadine+ascorbic		28 Days
EDTA Only	$150	IC/Amperometric	IC	ug/l	10	poly	1 x 60 ml	none	none		14 Days
EDTA plus NTA	$200	IC/Amperometric	IC	ug/l	10	poly	1 x 60 ml	none	none		14 Days
Endothall	$175	GCMS	EPA 548.1	ug/l	15	Amber Glass	250 ml	None	$Na_2S_2O_3$	7 days	14 Days
Endothall - Low Level	$200	LC-MS-MS	ISO- LC-MS-MS	ug/l	15	Amber Glass	40 ml	None	$Na_2S_2O_3$	7 days	14 Days
Enterococci Analysis	$150	MTF	SM9230	CFU/ml	10	Glass	250 ml	$Na_2S_2O_3$	$Na_2S_2O_3$		24 Hours
Epichlorohydrin	$200	GCMS	EPA 524.2m	ug/l	10	Glass	(2) 40 ml	None	None		7 Days
Explosives by LCMSMS	$300	LCMSMS	LC-MS-MS	ug/l	20	Amber Glass	(3) 1 L	None	special cocktail	-----	14 Days
Fecal Streptococci (5 Dilutions)	$125	MTF	SM 9230	MPN	10	Amber Glass	250 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	-----	24 Hours
Fluoride	$25	ISE	SM4500F C	mg/l	10	Poly	125 ml	None	None	-----	28 Days
Fragrances - Galaxolide/Musk Ketone	$500	GC-MS-MS	EPA 527 mod	ng/l	15	Amber Glass	(3) 1 L	Not App	special cocktail	14 days	28 Days
Gadolinium Anomaly	$200	ICP/MS	EPA 200.8	ug/l	15	A-Poly	125 ml	HNO_3	HNO_3		6 Months
Gallium and Rubidium	$50	ICP/MS	ASQ2012	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
General Mineral plus metals	$400	varies	various	varies	15	Poly	2 x 500 ml	None/HNO_3	None/HNO_3		varies
General Physical (Color, Odor, Turb)	$50	Visual; odor; nephelometric	various	varies	10	Glass	1L	None	None	-----	24-48 Hours
Giardia/Cryptosporidium	$450	Microscopy	EPA 1623	oocysts/L	10	cubitainer	10L	none	thio		96 hours
Glyphosate	$175	HPLC/PCD	EPA 547	ug/l	10	Glass	60 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	-----	14 Days
Glyphosate & AMPA	$200	HPLC/PCD	EPA 547	ug/l	10	Glass	60 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	-----	14 Days
Glyphosate & AMPA	$250	LC-MS-MS	LC-MS-MS	ug/l	15	Glass	60 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	-----	14 Days
HAAs (HAA6)	$180	GC/ECD	SM6251B	ug/l	10	Amber Glass	(3) 40 ml	NH_4Cl	NH_4Cl	14 days	14 Days
HAA 9	$250	GC/ECD	SM6251B	ug/l	15	Amber Glass	(3) 40 ml	NH_4Cl	NH_4Cl	14 days	14 Days
HAAs (HAA6)	$180	GC/ECD	EPA 552.2	ug/l	10	Amber Glass	(3) 40 ml	NH_4Cl	NH_4Cl	14 days	14 Days
HAA 9	$250	GC/ECD	EPA 552.2	ug/l	15	Amber Glass	(3) 40 ml	NH_4Cl	NH_4Cl	14 days	14 Days
Haloacetonitriles + EDB-DBCP	$200	GC/ECD	EPA 551.1	ug/l	10	Amber Glass	(2) 60 ml	buffer	buffer	14 days	14 Days
Haloacetonitriles	$150	GC/ECD	EPA 551.1	ug/l	10	Amber Glass	(2) 60 ml	buffer	buffer	14 days	14 Days
Haloacetonitriles/THMs	$175	GC/ECD	EPA 551.1	ug/l	10	Amber Glass	(2) 60 ml	buffer	buffer	14 days	14 Days
HAAs-Total Potential	$250	ECD (incubation+analy	SM 5710B	ug/l	20	Amber Glass	1 L	None	None	14 days	14 Days
HAAs-Total Potential (incubation portion)	$75	GC/ECD	SM 5710B	ug/l	20	Amber Glass	1 L	None	None	14 days	14 Days
Hardness (Total as $CaCO_3$)	$35	Calculation, ICP	SM 2340B	mg/l	10	Poly	250 ml	HNO_3	HNO_3	-----	6 Months
Hardness (Total as Ca)	$35	Calculation, ICP	SM 2340B	mg/l	10	Poly	250 ml	HNO_3	HNO_3	-----	6 Months
Hardness (Total as Mg)	$35	Calculation, ICP	SM 2340B	mg/l	10	Poly	250 ml	HNO_3	HNO_3	-----	6 Months
Herbicides-Drinking Water Regulated	$225	GC/ECD	EPA 515.4/515.3	ug/l	10	Amber Glass	(2) 125 ml	None	Sulfite	14 days	21 Days
Herbicides-Drinking Water Extended Low level	$250	GC/ECD	EPA 515.4	ug/l	10	Amber Glass	(2) 125 ml	None	Sulfite	14 days	21 Days
Herbicides-MCPA,MCPB, MCPP	$200	HPLC-UV	EPA 555	ug/l	10	Amber Glass	(2) 250 ml	None	Sulfite or thio	14 days	28 Days
Hormones (UCMR3 List 2)	$400	SPE-LC-MS-MS	EPA 539	ng/l	20	Amber Glass	(2) 500 ml	Omadine+ascorbic	Omadine+ascorbi	28 days	28 Days
Hormones- low level	$450	SPE-LC-MS-MS	EPA 539	ng/l	20	Amber Glass	1 L	thiosulfate	thiosulfate	28 days	28 Days
Hydrazines (advance notice needed)	$500	LC-MS-MS	LC-MS-MS	ng/l	20	Amber Glass	125 ml	None	None	Immediate	28 days

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ANALYSIS	Price ($)	Test Type	Ref Method	UNITS	Std TAT (working days)	BOTTLE TYPE*	IDEAL SAMPLE SIZE*	PRESERVATIVE* RAW	PRESERVATIVE* FINISHED	HOLDING TIME* EXTRACT	HOLDING TIME* ANALYSIS
Inhibitory Residues	$250	Pour Plate	SM 9020	units	15	Glass	N/A	None			14 Days
Iodate	$175	LC-MS-MS	LCMSMS	ug/l	15	Poly	125 ml	None	None	-----	28 Days
Iodide	$175	LC-MS-MS	LCMSMS	ug/l	15	Poly	125 ml	None	None	-----	28 Days
Iodide + iodate	$250	LC-MS-MS	LCMSMS	ug/l	15	Poly	125 ml	None	None	-----	28 Days
Iron by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Iron - Low Level by ICP	$30	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Lead by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Lead & copper by ICP/MS	$40	ICP/MS	EPA 200.8	ug/l	10	A-Poly	1L	HNO_3	HNO_3	-----	6 Months
Lithium by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Magnesium by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Manganese by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Mercury	$40	Cold Vapor AAS	EPA 245.1	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	28 Days
Metals Low level by 1640	$325	ICP/MS	EPA 1640m	ug/l	20	A-Poly	125 ml	none	none	-----	6 Months
Metals - Drinking Water by ICP - each	$20	ICP	EPA 200.7	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals - Drinking Water by ICPMS - each	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals - Drinking Water by ICPMS (15)	$300	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals - ICP-MS Metals Scan (25)	$500	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals-Dissolved ICP-MS Metals Scan (25)	$500	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals - Dissolved ICP-MS Metals Scan - each	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals- ICP-AES Metals Scan (7)	$140	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals Dissolved ICP-AES Metals Scan (7)	$140	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals Dissolved ICP-AES Metals Scan - each	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals - Agilent Semi-Quant (~30)	$200	ICP/MS	ASQ2012	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Metals Digestion, if required	$25	Hotblock		N/A	10	part of metals		HNO_3	HNO_3		6 Months
Microcystin-LR	$200	Immunoassay	Elisa	ug/l	10	Amber Glass	40 ml	Thio	Thio	-----	28 Days
Microspheres	$150	Microscopy	Internal	crospheres	15	Poly	1L	None	None	-----	No HT
Molybdenum by ICP/MS (non UCMR)	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
MPA (Micro. Particulate Analysis)	$350	Bright field Micro	EPA 1992	N/A	15	filter	N/A	None	None	-----	48 Hours
NDMA	$300	CI-GC/MS SIM	EPA 521	ppt	15	Amber Glass	(3) 500 ml	None	Thio	14 days	28 Days
Nitrosamines (6)	$400	CI-GC/MS SIM	EPA 521	ppt	15	Amber Glass	(3) 500 ml	None	Thio	14 days	28 Days
Nitrosamines (8)	$450	CI-GC/MS SIM	EPA 521	ppt	15	Amber Glass	(3) 500 ml	None	Thio	14 days	28 Days
Nitrosamines (9) inc diphenylamine (NDPHA)	$500	CI-GC/MS SIM	EPA 521	ppt	15	Amber Glass	(3) 500 ml	None	Thio	14 days	28 Days
Nickel by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Nitrogen-Ammonia	$30	Colorimetric/RFA	EPA 350.1	mg/l	10	Poly	125 ml	H_2SO_4	H_2SO_4	-----	28 Days
Nitrogen-Ammonia	$30	ISE	SM4500-NH3 D	mg/l	10	Poly	125 ml	H_2SO_4	H_2SO_4	-----	28 Days
Nitrogen-Combined NO_2+NO_3	$35	Colorimetric/RFA	EPA353.2	mg/l	15	Poly	125 ml	H_2SO_4	H_2SO_4	-----	28 Days
Nitrogen-Nitrate Low Level as NO3	$30	IC	EPA 300.1	mg/l	10	Poly	125 ml	None	None	-----	48 Hours
Nitrogen-Nitrate	$25	IC	EPA 300.0A	mg/l	10	Poly	125 ml	None	None	-----	48 Hours
Nitrogen-Inorganic (Calculation-requires NH3, NO3, N	$25	equires NH3, NO3, NO	calculation	mg/l	15	Poly	125 ml	None	None	-----	48 Hours
Nitrogen-Nitrite low level as NO2	$35	IC	EPA 300.1	mg/l	5	Poly	125 ml	None	None	-----	48 Hours
Nitrogen-Nitrite	$25	IC	EPA 300.0	mg/l	5	Poly	125 ml	None	None	-----	48 Hours
Nitrogen-Nitrite (Low level as N)	$35	IC	EPA 353.2	mg/l	5	Poly	125 ml	None	None	-----	48 Hours
Nitrogen-Total Kjeldahl	$75	Colorimetric	EPA 351.2	mg/l	15	Poly	250 ml	H2SO4			28 days
Odor	$30	Odor	SM 2150B	TON	5	Glass	1L	None	None	-----	24 Hours
PBDES	$350	GC-MS	EPA 527	ug/l	15	Amber Glass	(3) 1 L	Not App	special cocktail	14 days	28 Days
PBDES low level plus pyrethroids	$400	GC-MS-MS	EPA 527 mod	ug/l	15	Amber Glass	(3) 1 L	Not App	special cocktail	14 days	28 Days
Perchlorate	$75	IC	EPA 314	ug/l	10	Poly	125 ml	None	None	----	28 Days
Perchlorate- Low Level	$100	LC-MS-MS	EPA 331	ug/l	10	Poly	125 ml	May need Sterile	May need	-----	28 Days
Perchlorate- Ultra Low	$125	LC-MS-MS	EPA 331	ug/l	10	Poly	125 ml	Filter	Sterile Filter	-----	28 Days
Perchlorate - Low Level by LC-MS-MS	$200	LC-MS-MS	EPA 331	ug/l	10	Poly	125 ml	Sterile Filtered (exc	Sterile Filtered (	-----	28 Days
Perchlorate - Low Level by LC-MS-MS DOD	$275	LC-MS-MS	EPA 331D	ug/l	10	Poly	125 ml	Sterile Filtered	Sterile Filtered	-----	28 Days
Pesticide (Triazine) Degradates	$300	LC-MS-MS	EPA 536	ug/l	15	Amber Glass	125 ml	None	$Na_2S_2O_3$	14 days	28 Days
Pesticides - Long List by LCMSMS	$400	DAI-LC-MS-MS	LC-MS-MS	ug/l	20	Amber Glass	40 ml	None	None	----	21 Days
Pesticides-Urea (Standard 532 List)	$400	HPLC	EPA 532	ug/l	20	Amber Glass	(3) 1 L	copper+trizma	copper+trizma	14 days	21 Days
Pesticides (WHO-Urea) by LCMS	$200	LC-MS-MS	LC-MS-MS	ug/l	15	Amber Glass	(3) 1 L	copper+trizma	copper+trizma	----	14 days
Pesticides (WHO-Urea, Cyanazine, MCPA, MCPP)	$350	LC-MS-MS	LC-MS-MS	ug/l	15	Amber Glass	(3) 1 L	copper+trizma	copper+trizma	----	14 days
Pesticides and PCBs (DW)	$150	GC/ECD	EPA 505	ug/l	10	Amber Glass	(4) 40ml	None	$Na_2S_2O_3$	7 days	1 day
Pesticides (toxaphene low level)	$100	GC/ECD	EPA 505	ug/l	10	Amber Glass	(4) 40ml	None	$Na_2S_2O_3$	7 days	1 day
505- PCB/Toxaphene/chlordane extended	$200	GC/ECD	EPA 505	ug/l	10	Amber Glass	(4) 40ml	None	$Na_2S_2O_3$	7 days	1 day
505- Phase II&V PCB/Toxaphene/chlordane	$100	GC/ECD	EPA 505	ug/l	10	Amber Glass	(4) 40ml	None	$Na_2S_2O_3$	7 days	1 day
pH	$20	Ion Specific Electrode	SM4500H-B	units	5	Poly	125 ml	None	None	-----	15 min(field)
Phenolics - low level	$125	Colorimetric	EPA 420.4	ug/l	15	Amber Glass	125 ml	H_2SO_4	H_2SO_4	----	28 Days
Phenolics	$75	Colorimetric	MWH420/SW9066	ug/l	15	Amber Glass	125 ml	H_2SO_4	H_2SO_4	----	28 Days
Phosphorus, Ortho as P	$25	Colorimetric	SM4500P-E	mg/l	5	Poly	125 ml	None	None	----	48 Hours
Phosphorus, Total	$30	Colorimetric	SM4500P-E	mg/l	15	Poly	125 ml	H_2SO_4	H_2SO_4	----	28 Days
PFC compounds (PFOS,PFOA)	$300	LC-MS-MS	LC-MS-MS	ng/l	20	Poly	125 ml	none	none	----	14 days
PFC compounds (UCMR PFCs)	$400	LC-MS-MS	EPA 537	ng/l	20	Polypropylene	250 ml	5g/L Trizma®	5g/L Trizma®	14 days	14 days
PFC compounds (10 PFCs)	$450	LC-MS-MS	LC-MS-MS	ng/l	20	Polypropylene	250 ml	5g/L Trizma®	5g/L Trizma®	----	28 days
Potassium by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months
Pseudomonas aeruginosa	$75	Fluorescence Micro	Pseudotert	#/ml	10	Poly	100 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	-----	48 Hours
Radiochem-Gross Alpha/Beta	$100	Proportional Counter	EPA 900.0/SM7110B	pCi/l	20	A-Poly	1 L	HNO_3	HNO_3	----	6 Months
Radiochem-Gross Alpha Only	$70	Proportional Counter	EPA 900.0/SM7110B	pCi/l	20	A-Poly	1 L	HNO_3	HNO_3	----	6 Months
Radiochem-Gross Beta Only	$70	Proportional Counter	EPA 900.0/SM7110B	pCi/l	20	A-Poly	1 L	HNO_3	HNO_3	----	6 Months
Radiochem-Gross Alpha/Beta low level	$125	Proportional Counter	EPA 900.0/SM7110B	pCi/l	20	A-Poly	1 L	HNO_3	HNO_3	----	6 Months
Radiochem-Gross Alpha only by copptn	$100	Proportional Counter	SM7110C	pCi/l	15	A-Poly	1 L	HNO_3	HNO_3	----	6 Months
Radiochem-Gross Alpha low level by copptn	$125	Proportional Counter	SM7110C	pCi/l	15	A-Poly	1 L	HNO_3	HNO_3	----	6 Months
Radiochem-Gross Alpha Rapid 48 Hours	$150	Proportional Counter	EPA 900.0/SM7110B	pCi/l	15	A-Poly	1 L	HNO_3	HNO_3	----	6 Months
Radiochem-Radium 224	$200	Proportional Counter	Internal	pCi/l	20	A-Poly	1 L	HNO_3	HNO_3		48 Hours
Radiochem-Radium 226/228	$250	Gamma Counting	GA Method	pCi/l	20	A-Poly	3 x 1L poly	HNO_3	HNO_3	----	6 Months

Eurofins Eaton Analytical

ANALYSIS	Price ($)	Test Type	Ref Method	UNITS	Std TAT (working days)	BOTTLE TYPE*	IDEAL SAMPLE SIZE*	PRESERVATIVE* RAW	PRESERVATIVE* FINISHED	HOLDING TIME* EXTRACT	HOLDING TIME* ANALYSIS
Radiochem-Radium 226	$140	GPC	7500Ra B	pCi/l	20	A-Poly	1L poly	HNO_3	HNO_3	----	6 Months
Radiochem-Radium 228	$140	GPC	7500Ra D	pCi/l	20	A-Poly	1L poly	HNO_3	HNO_3	----	6 Months
Radiochem-Radon	$100	Scintillation	SM7500RN	pCi/l	5	Glass	40 ml	None	None	-----	4 Days
Radiochem-Tritium	$100	Scintillation	SM7500H3	pCi/l	15	Glass	40 ml	None	None	-----	6 Months
Radiochem-Tritium, low level	$110	Scintillation	SM7500H3	pCi/l	15	Glass	40 ml	None	None	-----	6 Months
Radiochem-Uranium by ICPMS	$50	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	---	6 Months
Selenium by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months
Silica by ICP	$20	ICP	EPA 200.7	mg/l	10	Poly	125 ml	HNO_3	HNO_3	----	28 Days
Silica - Reactive	$40	Colorimetric	SM4500-SIO2-D	mg/l	15	Poly	125 ml	None	None	----	28 Days
Silver by ICP/MS	$40	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months
SOCs - Phenolics	$450	GCMS	EPA 528	ug/l	20	Amber Glass	(3) 1 L	HCL	special cocktail	14 days	30 Days
SOCs-Drinking Water- Regulated	$325	GCMS	EPA 525.2	ug/l	15	Amber Glass	(2) 1L	HCL	Sulfite, then HCl	14 days	30 Days
SOCs-Drinking Water (Expanded)	$400	GCMS	EPA 525.2	ug/l	15	Amber Glass	(2) 1L	HCL	Sulfite, then HCl	14 Days	30 Days
525.2 State compounds	$325	GCMS	EPA 525.2	ug/l	15	Amber Glass	(2) 1L	HCL	Sulfite, then HCl	14 Days	30 Days
525.2 PAHs	$325	GCMS	EPA 525.2	ug/l	15	Amber Glass	(2) 1L	HCL	Sulfite, then HCl	14 Days	30 Days
525.2 Pesticides & Industrial Chemicals Extended	$475	GCMS	EPA 525.2	ug/l	15	Amber Glass	(2) 1L	HCL	Sulfite, then HCl	14 Days	30 Days
525.2 large volume injection	$350	GCMS	EPA 525.2/525.3	ug/l	15	Amber Glass	(2) 250 ml	HCL	Sulfite, then HCl	14 Days	30 Days
Sodium by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months
Solids, Total Dissolved	$20	Gravimetric	SM2540C	mg/l	10	Poly	500 ml	None	None	-----	7 Days
Solids, Total	$20	Gravimetric	SM2540B	mg/l	10	Poly	500 ml	None	None	-----	7 Days
Solids, Suspended	$25	Gravimetric	SM2540D	mg/l	10	Poly	500 ml	None	None	-----	2 days
Strontium (UCMR3)	$40	ICP-MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Strontium by ICP	$20	ICP	EPA 200.7	mg/l	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Strontium by ICPMS	$20	ICP/MS	EPA 200.8	ug/L	10	A-Poly	125 ml	HNO_3	HNO_3	-----	6 Months
Sulfate	$25	IC	EPA 300.0A	mg/l	10	Poly	125 ml	None	None	-----	28 Days
Sulfide, Dissolved	$75	Colorimetric	SM4500-S-^{2}D	mg/l	10	Poly	(2) 250 ml	NaOH + ZnAc	NaOH + ZnAc	1 day	7 Days
Sulfide, Total	$50	Colorimetric	SM4500-S-^{2}D	mg/l	15	Poly	250 ml	NaOH + ZnAc	NaOH + ZnAc	-----	7 Days
Sulfite	$100	Titrimetric	SM4500-SO3	mg/l	5	Glass	500 ml	EDTA	EDTA		7 Days
Surfactants (MBAS)	$50	Colorimetric	SM5540C	mg/l	10	Poly	500 ml	None	None	-----	2 Days
Taste and Odor (MIB/Geosmin by SPME)	$350	SPME-GC/MS-CI	SM6040-E	ng/l	10	Amber Glass	(3) 40 ml	None or omadine	None or omadine	3 days w/o pres	7 days w omadin
Taste and Odor (MIB/Geosmin by P&T)	$350	PT/GC/MS	V210	ng/l	10	Amber Glass	(3) 40 ml	none	thio	----	3 days
Temperature	$10		SM2550B								
Thallium by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months
THMs by 524 or 551.1	$90	GCMS or GC/ECD	EPA 524.2/551.1	ug/l	10	Amber Glass	(3) 40 ml	$Na_2S_2O_3$ or NH_4Cl	$Na_2S_2O_3$ or NH_4Cl	551.1 extract 14	14 Days
HANs/THMs	$150	GC/ECD	EPA 551.1	ug/l	10	Amber Glass	(3) 40 ml	$Na_2S_2O_3$ or NH_4Cl	$Na_2S_2O_3$ or NH_4Cl	14 days	14 Days
HANs-Haloacetonitriles	$150	GC/ECD	EPA 551.1	ug/l	10	Amber Glass	(3) 40 ml	$Na_2S_2O_3$ or NH_4Cl	$Na_2S_2O_3$ or NH_4Cl	14 days	14 Days
Chloropicrin	$150	GC/ECD	EPA 551.1	ug/l	10	Amber Glass	(3) 40 ml	$Na_2S_2O_3$ or NH_4Cl	$Na_2S_2O_3$ or NH_4Cl	14 days	14 Days
THMs/HANs/HKs/Chloropicrin	$250	GC/ECD	EPA 551.1	ug/l	15	Amber Glass	(3) 40 ml	NH_4Cl+buffer	NH_4Cl+buffer	14 days	14 Days
THMs-Total Potential (incubation+analysis)	$250	GC/ECD	SM 5710B	ug/l	20	Amber Glass	1 L	None	None	-------	14 Days
THMs-Total Potential (Incubation)	$75	GC/ECD	SM 5710B	ug/l	20	Amber Glass	1 L	None	None	-------	14 Days
Total Organic Carbon (TOC)	$50	UV-Persulfate	SM5310C	mg/l	15	Amber Glass	125 ml	H_2SO_4	H_2SO_4	----	28 Days
SUVA complete	$100	UV254 x 100/DOC	EPA 415.3	Units	10	Amber Glass	250 ml	None	None	----	2 Days
SUVA Calculation (requires DOC, UV)	$25	UV254 x 100/DOC	EPA 415.3	Units	10	Amber Glass	250 ml	None	None	----	2 Days
Organic Carbon, Dissolved (DOC)	$75	UV-Persulfate	SM 5310C	mg/l	10	Amber Glass	125 ml	None	None	2 days	28 Days
Total inorganic carbon (TIC)	$75	UV-Persulfate	SM 5310C	mg/l	10	Amber Glass	125 ml	None	None	----	28 Days
Total Organic Halide	$200	Pyrolysis	SM 5320B	ug/l	15	Amber Glass	(2) 250 ml	H_2SO_4	Sulfite+H_2SO_4	----	14 Days
Total Organic Halide-Total Potential	$300	Pyrolysis	SM5710/5320	ug/l	20	Amber Glass	1 L	None	None	----	14 Days
2,4,6-Trichlorophenol	$200	GC/ECD	SM6251B	ug/l	15	Amber Glass	(3) 40 ml	NH_4Cl	NH_4Cl	----	14 Days
Triazoles	$250	LC-MS-MS	LC-MS-MS	ug/l	15	Amber Glass	40 ml	none	ascorbic	----	28 days
L200 - Phenolic EDCs (8), obsolete soon	$300	SPE/LC-MS	L200	ug/l	15	Amber Glass	500 ml	HCl	Sulfite + HCl	14 days	30 Days
L211 - Estrogens and other hormones (9), obsolete soc	$350	SPE/LC/MS/MS	L211	ng/l	15	Amber Glass	(2) 1 L	HCl	Sulfite + HCl	14 days	30 Days
L220 - PPCPs (44), obsolete soon	$400	SPE/LC/MS/MS	L220	ng/l	15	Amber Glass	(2) 1 L	HCl	Sulfite + HCl	14 days	30 Days
L221 - PPCPs (20), obsolete soon	$400	SPE/LC/MS/MS	L221	ng/l	15	Amber Glass	(2) 1 L	HCl	Sulfite + HCl	14 days	30 Days
L300 - Turfgrass Pesticides (35)	$350	SPE/LC-MS	L300	ug/l	15	Amber Glass	1 L	HCl	Trizma-HCl	14 days	30 Days
L301 - Turfgrass Pesticides (5)	$350	LC-MS-MS	L301	ug/l	15	Amber Glass	40 ml	OA+Na2SO3	OA+Na2SO3	----	14 days
L302 - Turfgrass Pesticides (30)	$350	SPE/LC-MS-MS	L302	ug/l	15	Amber Glass	1 L	HCl	----	14 days	30 Days
L303 - Ethphone	$200	LC-MS-MS	L303	ug/l	15	Amber Glass	40 ml	Oxalic acid	Oxalic acid	----	28 days
L305 - Turfgrass Pesticides (5)	$350	LC-MS-MS	L305	ug/l	15	Amber Glass	40 ml	----	----	----	7 days
L330 - 2,6-Dichlorobenzamide (BAM)	$250	LC-MS-MS	L330	ug/l	15	Amber Glass	40 ml	Oxalic acid	Oxalic acid	-----	21 days
L510 - Ethylene Thiourea (ETU)	$200	LC-MS-MS	L510	ug/l	15	Amber Glass	40 ml	HCl	HCl	----	14 days
L520 - Acrylamide, Aniline, Urethane	$250	LC-MS-MS	L520	ug/l	15	Amber Glass	40 ml	none	none	-----	28 days
1,2,3-Trichloropropane (TCP)	$125	GCMS	CDPH (2002)	ug/l	15	Glass	(3) 40 ml	HCl	HCl/Ascorbic	----	14 days
Turbidity	$20	Nephelometric	EPA 180.1	NTU	5	Poly	125 ml	None	None	-----	48 Hours
UCMR2 - List 2 Semivolatiles (2 cmpds)	$300	GCMS	EPA 525.2	ug/l	15	Amber Glass	(3) 1 L	Not App	Sulfite, then HCl	14 days	28 Days
UCMR2 - List 1 PDBEs	$400	GCMS	EPA 527	ug/l	15	Amber Glass	(3) 1 L	Not App	special cocktail	14 days	28 Days
UCMR2 - List 2 Acetanilide Degradates Low Level (6)	$400	LC-MS-MS	EPA 535	ug/l	15	Amber Glass	250 mL	NH4Cl	NH4Cl	14 days	28 Days
UCMR3 - List 1 - combined	$1,000	Multiple	various	ug/l	15	various	various	various	various	various	varies
UCMR3 - List 1 - metals	$100	UCMR3	EPA 200.8	ug/l	15	A-poly	250 ml	HNO3	HNO3	----	6 Months
UCMR3 - chromium 6	$100	UCMR3	EPA 218.7	ug/l	10	Poly	125 ml	buffer	buffer	----	14 Days
UCMR3 - chlorate	$75	UCMR3	EPA300.1	ug/l	10	Poly	125 ml	Ethylene Diamine	Ethylene Diamine	----	28 Days
UCMR3 - 1,4-dioxane	$250	UCMR3	EPA 522	ug/l	15	Amber glass	(3) 125 ml	none	thio	28 days	28 Days
UCMR3 - VOCs	$225	UCMR3	EPA 524.3	ug/l	10	Amber Glass	(3) 40 ml	maleic/Ascorbic	maleic/Ascorbic		14 Days
UCMR3 - Perfluorinateds	$400	UCMR3	EPA 537	ug/l	15	Polypropylene	(3) 250 ml	buffer	buffer	14 days	28 Days
UCMR3- List 2 - hormones	$400	SPE-LC-MS-MS	EPA 539	ng/l	20	Amber Glass	(2) 500 ml	Omadine+ascorbic	Omadine+ascorbi	28 days	28 Days
UCMR4 (draft) pesticides by EPA 538	$300	UCMR4	EPA 538	ug/L	20	Amber Glass	(2) 40 ml	omadine + acetate	omadine + acetat	----	14 Days
UCMR4 (draft) SVOCs by EPA 525.3	$400	UCMR4	EPA 525.3	ug/l	20	Amber glass	(3) 1L	buffer mix	buffer mix	14 days	28 Days
UCMR4 (draft) pesticides by EPA 530	$400	UCMR4	EPA 530	ug/l	20	Amber glass	(3) 1L	buffer mix	buffer mix	14 days	28 Days
UCMR4 (draft) aldehydes by EPA 556.1	$250	UCMR4	EPA 556.1	ug/l	10	Amber glass	(3) 40 ml	ammonium chloride p	ammonium chlorid	----	7 days
UCMR4 (draft) Ge, Mn, Ni	$100	UCMR4	EPA 200.8	ug/l	10	A-poly	125 ml	HNO3	HNO3	----	6 Months

Eurofins Eaton Analytical

ANALYSIS	Price ($)	Test Type	Ref Method	UNITS	Std TAT (working days)	BOTTLE TYPE*	IDEAL SAMPLE SIZE*	PRESERVATIVE*		HOLDING TIME*	
								RAW	FINISHED	EXTRACT	ANALYSIS
Uranium by ICP/MS	$50	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months
UV_{254}	$40	Spectrophotometric	SM 5910B	AU	10	Amber Glass	125 ml	None	None	----	2 Days
Vanadium by ICP/MS (non UCMR)	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months
VOCs - 2-CEV	$100	GC/MS	EPA 624 or 524	ug/l	10	Amber Glass	(3) 40 ml	None	thio	------	14 days
VOCs - Tert-Butyl Alcohol	$150	GC/MS	EPA 524.2	ug/l	15	Amber Glass	(3) 40 ml	HCL	Ascorbic/HCl	------	14 Days
VOCs - Tert-Butyl Alcohol Low Level	$200	GC/MS	EPA 524.3	ug/l	15	Amber Glass	(3) 40 ml	maleic/Ascorbic	maleic/Ascorbic	------	14 Days
VOCs - UCMR3 Low level	$225	GC/MS SIM	EPA 524.3	ug/l	15	Amber Glass	(3) 40 ml	maleic/Ascorbic	maleic/Ascorbic	----	14 Days
VOCs - CVOCs (14) low level	$250	GC/MS SIM	EPA 524.3	ug/l	15	Amber Glass	(3) 40 ml	maleic/Ascorbic	maleic/Ascorbic	----	14 Days
VOCs-Drinking Water	$250	GC/MS	EPA 524.3	ug/l	10	Amber Glass	(3) 40 ml	maleic/Ascorbic	maleic/Ascorbic	------	14 Days
VOCs-Drinking Water	$200	GC/MS	EPA 524.2	ug/l	10	Amber Glass	(3) 40 ml	HCl	Ascorbic/HCl	------	14 Days
VOCs 524.2 extended with TIC	$275	GC/MS	EPA 524.2	ug/l	10	Amber Glass	(3) 40 ml	HCl	Ascorbic/HCl	------	14 Days
VOCs 524.2 extended	$225	GC/MS	EPA 524.2	ug/l	10	Amber Glass	(3) 40 ml	HCl	Ascorbic/HCl	------	14 Days
S150 - Turfgrass Pesticides	$375	SPE/GC/MS	S150	ug/l	15	Amber glass	1 L	buffer mix	buffer mix	14 days	30 Days
L120 - Bisphenol A related compounds (2)	$450	LC-MS-MS	L120	ug/l	15	Glass	(3) 40 ml	None	Sulfite	------	14 Days
L130 - Diallyldimethylammonium chloride	$350	LC-MS-MS	L130	ug/l	15	Poly	120 ml	None	None	------	18 Days
L140A - Amines (3)	$450	LC-MS-MS	L140A	ug/l	15	Amber Glass	40 ml	Sulfite	Sulfite	7 Days	7 Days
L140E - Ethanolamines (3)	$450	LC-MS-MS	L140E	ug/l	15	Amber Glass	40 ml	Sulfite	Sulfite	------	14 Days
L150 - Oxyhalides (perchlorate, chlorate, & bromate)	$250	LC-MS-MS	L150	ug/l	15	Client Containe	-----	-----	-----	------	1 year
VOC extractables (UL)	$350	GC/MS	EPA 524.2 Mod	ug/l	15	Glass	(3) 40 ml	Ascorbic/HCL	Ascorbic/HCL	------	14 Days
V100 - Low level VOC extractables (UL)	$150	PT/GC/MS	V100 (524.2 Mod)	ug/l	15	Glass	(3) 40 ml	Ascorbic/HCL	Ascorbic/HCl	------	14 Days
S110 - Low level PAHs (UL)	$400	SPE/GC/MS	S110 (525.2 Mod)	ug/l	15	Amber glass	1 L	HCl	Sulfite+HCl	14 days	30 Days
EPA 625 - Base Neutral/Acid Compounds (UL)	$850	LLE/GC/MS	EPA 625 Mod	ug/l	15	Amber glass	1 L	Sulfite	Sulfite	14/15 days	30 Days
EPA 625 - Phenols (UL)	$400	LLE/GC/MS	EPA 625 Mod	ug/l	15	Amber glass	1 L	Sulfite	Sulfite	14/15 days	30 Days
UL200.7 -Metals, each	$25	ICP	EPA 200.7	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	------	6 Months
UL200.8 -Metals, each	$25	ICP/MS	EPA 200.8 Mod	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	------	6 Months
UL200.8 - Bismuth	$125	ICP/MS	EPA 200.8 Mod	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	------	6 Months
UL200.8 - Yttrium	$125	ICP/MS	EPA 200.8 Mod	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	------	6 Months
USP 30 <1231> - HPC	$75	Pour Plate	USP 30 <1231>	CFU/mL	15	Poly	120 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	------	24 Hours
USP 30 <645> - Conductivity	$50	Electrometric	USP 30 <645>	uS/cm	15	Poly	120 ml	-----	-----	------	28 Days
USP 30 <643> - TOC	$100	UV-Persulfate	USP 30 <643>	mg C/L	15	Amber Glass	(3) 40 ml	H_2SO_4	H_2SO_4	------	28 Days
USP 30 - Total Coliform and E. coli	$50	Colisure	USP 30 TC	N/A	15	Poly	120 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	------	24 Hours
Water Suitability Analysis	$350	Various	SM 9020	N/A	15	Poly	500 ml	None	None	48 Hours	N/A
Yeast and Mold Quantifications	$75	Membrane filtration	SM 9610	CFU/ml	10	Poly	125 ml	$Na_2S_2O_3$	$Na_2S_2O_3$	----	5 days
Zinc by ICP/MS	$20	ICP/MS	EPA 200.8	ug/l	10	A-Poly	125 ml	HNO_3	HNO_3	----	6 Months

Major Rules - By REGULATION

UCMR2 List 1: See UCM527, UCM529,

UCMR3 List 1 and 2 See hormones(UCMR3), dioxane (UCMR3), PFCs (UCMR3), Chlorate (UCMR3), Cobalt, Molybdenum, Strontium, Vanadium (UCMR3), VOCs (UCMR3 low level)

SDWA Primary Organics: See Volatiles by 524.2, SOCs by 525.2, Pesticides by 505, Herbicides by 515.4, Endothall, Diquat, Glyphosate, Carbamates, Dioxin-Drinking Water, EDB-DBCP

SDWA Primary and Secondary Inorganics: See General Mineral plus metals, Cyanide-Free, General Physical

** Samples with unanticipated matrix effects may be subject to a surcharge or have elevated MRLs

Please check our website www.eatonanalytical.com for detailed compound lists

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Soil & Water

ORGANICS

ANALYSIS	METHOD
Fumigants - EDB/DBCP - Low Level	SRL 524M-TCP
1,2,3-Trichloropropane - Low Level	SRL 524M-TCP
1,4-Dioxane - Low Level	SRL 524M-TCP
1,4-Dioxane (Isotope Dilution) - Low Level	EPA 8270C/D(M)
N-Nitrosodimethylamine (NDMA) - Low Level	EPA 1625C(M)
Dissolved Gases - Methane in water	RSK 175(M)
Dissolved Gases - Methane, Ethane & Ethene in water	RSK 175(M)
Non-Halogenated Organics (Ethanol and/or Methanol)	EPA 8015B/D
Non-Halogenated Organics (2-Butanol, Ethanol, Isobutanol, Isopropanol, Methanol, n-Butanol)	EPA 8015B/D
Volatile Fatty Acids (Acetic, Butyric, Lactic, Propionic, Pyruvic)	HPLC/UV
Volatile Fatty Acids - Extended Target List	HPLC/UV
Organochlorine Pesticides	EPA 8081A/B or 608
Organochlorine Pesticides - Extended Target List	EPA 8081A/B
Organochlorine Pesticides and PCBs	EPA 608
Organophosphorus Pesticides	EPA 8141A/B
Organophosphorus Pesticides - Extended Target List	EPA 8141A/B
Chlorinated Herbicides	EPA 8151A
Organotins (Dibutyltin, Monobutyltin, Tetrabutyltin, Tributyltin)	Krone et al. (GC/MS)
Explosives - Nitroaromatics and Nitramines	EPA 8330
Polychlorinated Biphenyls (PCBs - Aroclors)	EPA 8082/8082A or 608
PCB Congeners (Calscience list of 41 Congeners)	EPA 8270C/D SIM
PCB Congeners - Extended Target List	EPA 8270C/D SIM
Polynuclear Aromatic Hydrocarbons (PAHs)	EPA 8270C/D
PAHs - Low Level	EPA 8310 or 610
PAHs - Low Level by Selective Ion Monitoring (SIM)	EPA 8270C/D SIM
Semivolatile Organic Compounds (SVOCs)	EPA 8270C/D or 625
SVOCs - Extended SIM List (Phenols, Phthalates, PAHs)	EPA 8270C/D SIM
SVOCs Appendix II or IX Target List (3 sample minimum)	EPA 8270C/D
SVOCs Tentatively Identified Compounds (TICs) add-on to 8270C/D	EPA 8270C/D
Purgeable Halocarbons and Aromatics (601/602 or 8021 Target List)	EPA 8260B/C or 624
Volatile Organic Compounds (VOCs)	EPA 8260B/C or 624
VOCs plus Fuel Oxygenates (MTBE, TBA, DIPE, ETBE, TAME, Ethanol)	EPA 8260B/C
VOCs - Low Level 20 ml Purge (water)	EPA 8260B/C
VOCs - Low Level by SIM (Selected Analytes)	EPA 8260B/C SIM
VOCs - Appendix II or IX Target List	EPA 8260B/C
VOCs - Tentatively Identified Compounds (TICs) add-on to 8260B/C	EPA 8260B/C
Ethanol – Low Level by SIM	EPA 8260B/C SIM

UNDERGROUND FUEL TANK

ANALYSIS	METHOD
Total Recoverable Petroleum Hydrocarbons (TRPH)	EPA 418.1/418.1(M)
Total Petroleum Hydrocarbons (TPH) – Diesel/Diesel Range Organic (DRO)	EPA 8015B/D(M)
TPH – Gas/Gasoline Range Organics (GRO)	EPA 8015B/D(M)
TPH – Oil Range Organics (ORO)	EPA 8015B/D(M)
TPH – Gas/GRO & BTEX	EPA 8015B/D(M) & 8021B
BTEX and/or MTBE	EPA 8021B
TPH –Specified Standard	EPA 8015B/D(M)
TPH – Extractable (GRO/DRO/ORO)	EPA 8015B/D(M)
TPH – Purge & Trap (C6-C12)	EPA 8015B/D(M)
TPH – Extractable with Carbon Chain Breakdown (C6-C36)	EPA 8015B/D(M)
TPH – Extractable with Carbon Chain Breakdown (C6-C44)	EPA 8015B/D(M)
Methanol and/or Ethanol	EPA 8015B/D
BTEX and/or MTBE	EPA 8260B/C
Fuel Oxygenates (MTBE, TBA, DIPE, ETBE, TAME, Ethanol)	EPA 8260B/C
BTEX and Fuel Oxygenates	EPA 8260B/C
Total Purgeable Petroleum Hydrocarbons (TPPH) add-on to 8260B/C	EPA 8260B/C
Volatile Organic Compounds (VOCs) plus Fuel Oxygenates	EPA 8260B/C
Total Petroleum Hydrocarbons	TX 1005
C^6 to C^{35} Petroleum Hydrocarbons/Aliphatic & Aromatic Hydrocarbons	TX 1006
NWTPH (TPH as Diesel/Motor Oil)	NWTPH – Dx
NWTPH (Volatile Petroleum Products)	NWTPH – Gx
WA EPH (Aliphatic & Aromatic Hydrocarbons)	EPA 8015B/D(M)
WA VPH (Aliphatic & Aromatic Hydrocarbons)	EPA 8260B/C
Organic Lead (includes sample preparation)	CA DHS LUFT
Total Lead (includes sample digestion)	EPA 6010B/C

DRINKING WATER ORGANICS

ANALYSIS	METHOD
Volatile Organic Compounds	EPA 524.2
1,2,3-Trichloropropane	SRL 524M-TCP
Fumigants (EDB, DBCP) by GC/ECD	EPA 504.1
Fumigants (EDB, DBCP) by GC/MS	SRL 524M-TCP
1,2,3-Trichloropropane	SRL 524M-TCP
Haloacetic Acids (subcontracted)	EPA 552.2
Chlorinated Pesticides & PCB Aroclors	EPA 508
PCB Aroclors	EPA 508A
Chlorinated Herbicides	EPA 515.1
1,4 – Dioxane	EPA 522
Nitrosamines	EPA 521
Semivolatile Organics (Regulated)	EPA 525.2
Semivolatile Organics (525.2 + 507 list regulated list)	EPA 525.2
Semivolatile Organics (Extended list)	EPA 525.2
Carbamates & Urea Pesticides (subcontracted)	EPA 531.1
Endothall	EPA 548
Diquat & Paraquat (subcontracted)	EPA 549

HAZARDOUS WASTE

ANALYSIS	METHOD
Ignitability (Flashpoint)	EPA 1010
Ignitability (Soil/Solids)	EPA 1030
Corrosivity (as pH) (15 minute Hold Time)	EPA 9045D
Paint Filter Liquids Test	EPA 9095A
Reactivity	
Cyanide	SW 846 Chapter 7
Sulfide	SW 846 Chapter 7
Cyanide and Sulfide	SW 846 Chapter 7
Toxicity – Sample Preparation	
TTLC Sample Digestion for Metals (excludes Hg and Cr VI)	EPA 3050B
TCLP/SPLP (Volatile) ZHE Extraction	EPA 1311/1312
STLC/TCLP/SPLP(Semi/Non-Volatile) Bottle Extraction	CAC Title 22/EPA 1311/1312
Toxicity – Sample Analysis	
CA Title 22 - CAM 17 Metals: Sb, As, Ba, Be, Cd, Cr(t), Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn	EPA 6010B/C & 7470A or 7471A
Organic Lead (includes sample preparation)	DHS LUFT
Individual Metals by ICP	EPA 6010B/C
Mercury	EPA 7470A/7471A
Chromium VI (24 hour Hold Time for waters, includes sample preparation)	EPA 7196A
Fluoride	SM 4500 F C
Volatile Organic Compounds	EPA 8260B/C
Organochlorine Pesticides	EPA 8081A/B
Polychlorinated Biphenyls (PCBs - Aroclors)	EPA 8082/8082A
Chlorinated Herbicides	EPA 8151A
Semivolatile Organic Compounds	EPA 8270C/D
Dioxin (TCDD)	EPA 8280A/8290A
TCLP Metals (8) : As, Ba, Cd, Cr(t), Pb, Hg, Se, Ag	EPA 6010B/C & 7470A
TCLP Full List (includes TCLP leaching procedures and TCLP target lists for the following methods: 6010B/C, 7470A, 8081A/B, 8082/A, 8151A, 8260B/C, & 8270C/D)	Various
96-hour Acute Aquatic Toxicity	California Dept. of Fish and Game
Asbestos	EPA 600/4-83-043/EPA 600/R-93/116

CLEANUPS

CLEANUP	METHOD
Acid-Base Partition	EPA 3650B
Alumina Cleanup	EPA 3610B/3611B
CA LUFT Manual centrifugation/gravity separation for extractable fuel products in aqueous matrix.	CA DHS LUFT
ENVI-Carb/PSA	CEL SOP M234
Florisil Column	EPA 3620B/C
Gel Permeation Chromatography (GPC)	EPA 3640A
Silica Gel Cleanup (extract shake-out)	
Silica Gel Cleanup (1-2 gram column)	EPA 3630C (M)
Silica Gel Cleanup (10 gram column with reverse surrogate)	CA DHS LUFT
Solid Phase Extraction (SPE)	EPA 3535A(M)
Sulfur Cleanup	EPA 3660B

Other protocols available, call for options.

MULTI-INCREMENTAL SAMPLING

	METHOD
Semi-volatile/non-volatile MIS per HI HEER Guidance	HI HEER
Volatile MIS per HI HEER Guidance	HI HEER
Metals Digestion, 10 gram sample (multiple digestions)	EPA 3050B
Mercury Digestion, 5 gram sample (multiple digestions)	EPA 3050B
Methanol kit for MIS volatile fraction sampling	EPA 5035

METALS

ANALYSIS	METHOD
Sample Preparation	
Total Digestion	EPA 1010A/3020A/3050B
Sample Filtration for Dissolved Metals (Within 24 hrs)	EPA 3005A
Reductive Precipitation Procedure	SOP M225
TCLP/SPLP Bottle Extraction	EPA 1311/1312
STLC (WET) Extraction	CAC, Title 22, § 66261.126, App. II
Chromium VI (24 hour Hold Time for waters)	EPA 218.6
Chromium VI (24 hour Hold Time for waters)	EPA 7196A
Chromium VI (24 hour Hold Time for waters)	EPA 7199
Chromium VI (soil/solid matrix)	EPA 7199/3060A
Individual Metals by ICP	EPA 6010B/C or 200.7
Individual Metals by ICP/MS	EPA 6020/6020A or 200.8
Mercury by Cold Vapor AA (includes digestion)	EPA 7470A/7471A/ or 245.1
Mercury – Low Level (water)	EPA 1631
Mercury – Low Level (soil)	EPA 1631
Acid-Volatile Sulfides/Simultaneously Extracted Metals	EPA 821-R-91-100/6010B/C
CA Title 22 - CAM 17 Metals: Sb, As, Ba, Be, Cd, Cr(t), Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn	EPA 6010B/C & 7470A or 7471A
CA Title 22 - CAM 17 Metals: Sb, As, Ba, Be, Cd, Cr(t), Co, Cu, Pb, Hg, Mo, Ni, Se, Ag, Tl, V, Zn	EPA 6020/6020A & 7470A or 7471A
Priority Pollutant Metals: Sb, As, Be, Cd, Cr(t), Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn	EPA 200.7 & 245.1 or EPA 6010B/C & 7470A or 7471A
Priority Pollutant Metals: Sb, As, Be, Cd, Cr(t), Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn	EPA 200.8 & 245.1 or EPA 6020/6020A & 7470A or 7471A
TCLP (RCRA) Metals: As, Ba, Cd, Cr(t), Pb, Hg, Se, Ag	EPA 6010B/C & 7470A or 7471A
ICP Metals Scan: Al, Sb, As, Ba, Be, B, Cd, Ca, Cr(t), Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, P, K, Se, Si, Sr, Ag, Na, Sn, Ti, Tl, V, Zn	EPA 6010B/C or 200.7
ICP/MS Metals Scan: Al, Sb, As, Ba, Be, B, Cd, Ca, Cr(t), Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Sr, Ag, Na, Sn, Ti, Tl, V, Zn	EPA 6020/6020A or 200.8
Appendix I List: Sb, As, Ba, Be, Cd, Cr(t), Co, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Hg	EPA 6010B/C & 7470A or 7471A
Appendix I List: Sb, As, Ba, Be, Cd, Cr(t), Co, Cu, Pb, Ni, Se, Ag, Tl, V, Zn, Hg	EPA 6020/6020A & 7470A or 7471A
Appendix II/IX List: Sb, As, Ba, Be, Cd, Cr(t), Co, Cu, Pb, Ni, Se, Ag, Tl, Sn, V, Zn, Hg	EPA 6010B/C & 7470A or 7471A
Appendix II/IX List: Sb, As, Ba, Be, Cd, Cr(t), Co, Cu, Pb, Ni, Se, Ag, Tl, Sn, V, Zn, Hg	EPA 6020/6020A & 7470A or 7471A
ICP/MS Metals Scan with Reductive Precipitation Preparation: As, Be, Cd, Cr, Co, Pb, Ni, Se, Ag, Zn	SOP M225/EPA 6020/6020A or 200.8
Sea Water Metals: Al, Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Se, Ag, Tl, V, Zn	EPA 1640

Parameters shown in **Bold** have short Hold Times

WET CHEMISTRY

ANALYSIS	METHOD
Acidity	SM 2310 B (EPA 305.1)
Acid Volatile Sulfides/Simultaneously Extracted Metals	EPA 821-R-91-100/6010B/C
Ash Free Dry Mass	SM 10300 C
Anions by IC (F, Cl, Br, **NO2**, **NO3**, SO4, **o-PO4**) **(48 hour Hold Time)**	EPA 300.0
Any single anion	EPA 300.0
Any two anions	EPA 300.0
Any three anions	EPA 300.0
Alkalinity, Total	SM 2320 B (EPA 310.1)
Alkalinity, Speciated (bicarbonate, carbonate, hydroxide)	SM 2320 B (EPA 310.1)
Biochemical Oxygen Demand (48 hour Hold Time)	SM 5210 B (EPA 405.1)
Carbon Dioxide – headspace analysis	RSK 175(M)
Carbon Dioxide (24 hour Hold Time)	SM 4500 CO2 D
Bromate	EPA 300.1
Bromide	SM 4500 Br B
Cation Exchange Capacity	EPA 9081
Chemical Oxygen Demand (reflux)	SM 5220 C (EPA 410.1)
Chemical Oxygen Demand (spectrophotometric)	SM 5220 D/EPA 410.4
Chloride	SM 4500 Cl C (EPA 325.3)
Chlorine, Free (15 minute Hold Time)	SM 4500 Cl F (EPA 330.4)
Chlorine, Total Residual (15 minute Hold Time)	SM 4500 Cl F (EPA 330.4)
Chlorate	EPA 300.1
Chlorite	EPA 300.1
Chromium VI (24 hour Hold Time)	EPA 218.6
Chromium VI (24 hour Hold Time)	EPA 7196A
Chromium VI (24 hour Hold Time)	EPA 7199
Chromium VI (soil/solid samples)	EPA 7199/3060A
Color (48 hour Hold Time)	SM 2120 B (EPA 110.2)
Cyanide, Amenable	SM 4500 CN G
Cyanide, Free	SM 4500 CN I
Cyanide, Total	SM 4500 CN E (EPA 335.2)
Cyanide, Total	EPA 9010C/9014
Density	ASTM D1475(M)
Fluoride (ISE)	SM 4500 F C (EPA 340.2)
Dissolved Organic Carbon (Sample filtration required within 24 hours)	SM 5310 D (EPA 415.1)
Formaldehyde (24 hour Hold Time)	ASTM D6303-98

Parameters shown in **Bold** have short Hold Times. Methods shown in red are EPA methods which were replaced under the US EPA Methods Update Rule (MUR) effective April 11, 2007.

WET CHEMISTRY (continued)

ANALYSIS	METHOD
Hardness, Total	SM 2340 C (EPA 130.2)
Hardness, (Magnesium, calc. from Calcium & total hardness)	SM 2340 B
Hydrazine (24 hour Hold Time)	ASTM D1385
Hydrogen Sulfide (24 hour Hold Time)	HACH Model HS-C
Ignitability (Flashpoint)	EPA 1010
Ignitability (Soil/Solid)	EPA 1030
Iodide	SM4500 ID(M)
Ion Balance	Calculation
Iron, Ferrous (24 hour Hold Time)	SM 3500 Fe B
Mercaptans (48 hour Hold Time)	LACSD 258
Moisture Content	ASTM D2216
Nitrogen	
Ammonia (Titration with distillation)	SM 4500 NH3 B/C (EPA 350.2)
Ammonia (Unionized)	SM 4500 NH3 B/C (EPA 350.2)
Ammonia (Ion Selective Electrode (ISE) with distillation)	SM 4500 NH3 F (EPA 350.3)
Ammonia (Segmented Flow Analyzer (SFA)	EPA 350.1(M)
Nitrate (48 hour Hold Time)	SM 4500 NO3 E/SM 4500 NO2 B
Nitrite (48 hour Hold Time)	SM 4500 NO2 B (EPA 354.1)
Nitrate & Nitrite (48 hour Hold Time)	SM 4500 NO3 E (EPA 353.3)
Organic	SM 4500 NH3 B/C/4500 N Org B
Total Kjeldahl	SM 4500 N Org B (EPA 351.3)
Total Kjeldahl (SFA)	EPA 351.2(M)
Total Nitrogen (48 hour Hold Time)	SM 4500 NO3 E/4500 N Org B
Total Inorganic Nitrogen (48 hour Hold Time)	SM 4500 NO3 E/4500 NH3 B/C
Odor (24 hour Hold Time)	SM 2150 B
Oil and Grease	SM 5520 B or 413.1
Oil and Grease; Hexane Extractable Material (HEM)	EPA 1664A
Oil and Grease; HEM - Silica Gel Treated (SGT)	EPA 1664A
Oxygen, Dissolved (15 minute Hold Time)	SM 4500 O G
Paint Filter Liquids Test	EPA 9095B
pCBSA	EPA 314.0(M)
Perchlorate, Soil	EPA 314.0(M)
Perchlorate, Water	EPA 314.0
Perchlorate, Water	EPA 331.0(M)
Perchlorate, Soil or Water	EPA 6850
pH (15 minute Hold Time)	SM 4500 H+B or EPA 9045D

Parameters shown in **Bold** have short Hold Times. Methods shown in red are EPA methods which were replaced under the US EPA Methods Update Rule (MUR) effective April 11, 2007.

WET CHEMISTRY (continued)

ANALYSIS	METHOD
Phenolics, Total	SM 5530 D or EPA 9065 or 420.1
Phosphate, Ortho (48 hour Hold Time)	SM 4500 P B/E
Phosphate, Ortho (SFA) (48 hour Hold Time)	EPA 365.1(M)
Phosphate, Total	SM 4500 P B/E
Phosphate, Total (SFA)	EPA 365.1(M)
Phosphorous, Total	SM 4500 P B/E (EPA 365.3)
Phosphorous, Total (SFA)	EPA 365.1(M)
Redox Potential (24 hour Hold Time)	ASTM D1498
Resistivity	EPA 120.1(M)
Salinity	SM 2520 B
Sediment Concentration in Water	ASTMD3977-97
Solids (Residues)	
Total Dissolved	SM 2540 C (EPA 160.1)
Total Suspended	SM 2540 D (EPA 160.2)
Total	SM 2540 B (EPA 160.3)
Volatile	EPA 160.4
Settleable (48 hour Hold Time)	SM 2540 F (EPA 160.5)
Volatile Suspended	SM 2540 D/EPA 160.4
Specific Conductance	SM 2510 B
Sulfate	ASTM D516-02 or EPA 9038
Sulfide	SM 4500 S2 D (EPA 376.2)
Sulfide, Dissolved (15 minute Hold Time)	SM 4500 S2 D (EPA 376.2)
Sulfite (15 minute Hold Time)	SM 4500 SO3 B (EPA 377.1)
Surfactants (MBAS) (48 hour Hold Time)	SM 5540 C (EPA 425.1)
Thiosulfates (48 hour Hold Time)	LACSD 253A
Total Inorganic Carbon in Water/Liquids	SM 5310 D(M) (EPA 415.1)
Total Inorganic Carbon in Soil/Solids	EPA 9060A(M)
Total Organic Carbon in Water/Liquids	SM 5310 D (EPA 415.1)
Total Organic Carbon in Soil/Solids	EPA 9060A
Turbidity (48 hour Hold Time)	SM 2130 B (EPA 180.1)
General Minerals	
Calcium, Copper, Iron, Magnesium, Manganese, Sodium, Zinc, Alkalinity-speciated, Chloride, **MBAS**, **pH**, Sulfate, **Nitrate, Nitrite**, Conductivity, Hardness, & TDS	Various
Cation-Anion Balance	
Alkalinity, Calcium, Chloride, Fluoride, Iron, Magnesium, Manganese, **Nitrate, Nitrite, pH**, Potassium, Sodium, Conductivity, Sulfate, & TDS	Various

Parameters shown in **Bold** have short Hold Times. Methods shown in red are EPA methods which were replaced under the US EPA Methods Update Rule (MUR) effective April 11, 2007.

BIOASSAYS

ANALYSIS	METHOD
96-hour Acute Aquatic Toxicity	California Dept. of Fish & Game
96-hour Whole Effluent Acute Toxicity (36 hour Hold Time)	EPA 600/4-85/013

MICROBIOLOGY

ANALYSIS – POTABLE WATER	METHOD
Heterotrophic Plate count	SM 9215B
Total Coliforms MTF	SM 9221B
Total & Fecal Coliforms MTF	SM 9221B/E
Total Coliforms MTF SWTR	SM 9221B
Total Coliforms P/A	Colilert ®/Quanti-Tray®
Total & E. coli P/A	Colilert ®/Quanti-Tray®
E. coli LT2ESWTR	SM 9223
E. coli MTF LT2ESWTR	SM 9221B/F

ANALYSIS – WASTEWATER	METHOD
Heterotrophic Plate count	SM 9215B
Total Coliforms MTF	SM 9221B
Total & Fecal Coliforms MTF	SM 9221B/C/E
Total & E. col. MTF	SM 9221B/SM9223
Enterococci	Enterolert ®
Enterococci and/or Fecal Streptococci	SM 9230B

ANALYSIS – RECREATIONAL	METHOD
Total Coliforms MTF	SM 9221B
Total & Fecal Coliforms MTF	SM 9221B/E
Total & E. coli Quanti-Tray®	SM 9221B/SM9223
Enterococci	Enterolert ®

MTF: Multiple Tube Fermentation
P/A: Presence/Absence
SWTR = Surface Water Treatment Rule
LT2ESWTR = Long term 2 Enhanced Surface Water Treatment Rule

Parameters shown in **Bold** have short Hold Times:
Drinking water: 30 hours
Waste water and recreational water: 6 hours
Surface water and HPC: 8 hours

Air/Vapor

AIR/VAPOR

METHOD	DESCRIPTION	
8260B/C(M)	**Soil Gas Analysis by GC/MS**	
	- BTEX or MTBE Only	
	- BTEX + Oxygenates + Ethanol	
	- BTEX + Oxygenates + Naphthalene + Ethanol	
TO-14A	**Volatile Organics by GC/MS Full Scan**	
	- Full TO-14A Target List	200
	- Full TO-14A Target List + MTBE	200
	- BTEX or MTBE Only	100
	- SCAQMD Rule 1150.1 Compounds	175
	- Add Tentatively Identified Compounds	50
EPA TO-15/TO-15(M)	**Volatile Organics by GC/MS Full Scan**	
	- EPA 8021B List	
	- BTEX and MTBE	
	- BTEX or MTBE Only	
	- BTEX and Fuel Oxygenates	
	- BTEX, Fuel Oxygenates + Naphthalene	
	- Naphthalene	
	- Full TO-15 List (Standard Target List)	
	- Full TO-15 List + Fuel Oxygenates	
	- Full TO-15 List + Oxygenates + Naphthalene	
	- TO-15 Extended Target List	
	- Add Tentatively Identified Compounds	
	- Mass DEP Air-Phase Petroleum Hydrocarbons	
EPA TO-15 SIM	**Volatile Organics by GC/MS in SIM Mode**	
	- One compound	
	- Two to five compounds	
	- Six to ten compounds	
	- Full SIM List	
	- Full SIM List + Naphthalene	

**** Requires individually certified Summa™ canisters and flow controllers.***

AIR/VAPOR (continued)

METHOD	DESCRIPTION
EPA TO-17	**Analysis of Sorbent Tubes by GC/MS** - Naphthalene - Gasoline Range Organics - Diesel Range Organics - Volatile Organic Compounds
	Analysis of PUF Cartridges
EPA TO-13A	- Polynuclear Aromatic Hydrocarbons
EPA TO-4A/TO-10A	- Pesticides
EPA TO-4A/TO-10A	- Polychlorinated Biphenyls (PCBs - Aroclors)
	Analysis by GC
ASTM D-2820	- $C_1 - C_6$ Hydrocarbon Speciation by GC/FID
EPA TO-3(M)	- $C_1 - C_6$ Hydrocarbon Speciation by GC/FID
EPA TO-3(M)	- TPH as Gasoline
EPA TO-3(M)	- Gasoline Range Organics C_6-C_{12}
EPA TO-3(M)	- VOCs >/= C_3 as Hexane (SCAQMD permit compliance)
ASTM D-1946	- Fixed Gases (CO_2, CO, CH_4 N_2, O_2)
ASTM D-1946	- Helium and/or Hydrogen
EPA 16 GC/FPD	- **Hydrogen Sulfide (24 hour Hold Time)**
SCAQMD 25.1	- Non-condensables analysis for TGNMO and CH_4
SCAQMD 25.1	- Non-condensables analysis for TGNMO, CH_4 and fixed gases
SCAQMD 25.1	- Non-condensables analysis for fixed gases
** $300 minimum charge.*	
RSK 175(M)	**Headspace Analysis by GC** - Methane in water - Methane, Ethane & Ethene in water - Carbon Dioxide in water
	Particulates & Lead
SCAQMD 12.1	- Inorganic Lead (including MSA)
40 CFR, Part 50, App. G	- Lead Analysis, high-vol. sampling
SCAQMD Rule 1420	- Lead Analysis, high-vol. sampling (including MSA)
40 CFR, Part 50, App. J	- TSP/PM10 Particulate, high-vol. sampling
40 CFR, Part 50, App. J	- TSP/PM2.5 Particulate, high-vol. sampling

Parameters shown in **Bold** have short Hold Times

Marine Chemistry

Sediments, Tissues, Seawater & Elutriates

SEDIMENT

ANALYSIS	METHOD
Organochlorine Pesticides	EPA 8081A/B
Organochlorine Pesticides – Low-level by GC/TQ (select list)	EPA 8270D(M) TQ
Organotins (Dibutyltin, Monobutyltin, Tetrabutyltin, Tributyltin)	Krone et al. (GC/MS)
Polychlorinated Biphenyl's (PCBs – Aroclors)	EPA 8082/8082A
PCB Congeners by GC/ECD	EPA 8082/A(M)
PCB Congeners (Calscience list of 41 Congeners) by GC/MS SIM	EPA 8270C/D(M) SIM
PCB Congeners (Calscience list of 41 Congeners) by GC/TQ	EPA 8270D(M) TQ
PCB Congeners - Extended Target List by GC/MS SIM	EPA 8270C/D(M) SIM
Polynuclear Aromatic Hydrocarbons by GC/TQ	EPA 8270D(M) TQ
Polynuclear Aromatic Hydrocarbons by GC/MS SIM	EPA 8270C/D(M) SIM
Phenols Low-level by GC/TQ	EPA 8270D(M) TQ
Phenols Low-level by GC/MS SIM	EPA 8270C/D(M) SIM
Phthalates Low-level by GC/TQ	EPA 8270D(M) TQ
Phthalates Low-level by GC/MS SIM	EPA 8270C/D(M) SIM
Pyrethroids by GC/TQ	EPA 8270D(M) TQ
PAHs, Phenols, Phthalates, PCB Congeners, Organochlorine Pesticides, and Pyrethroids by GC/TQ	EPA 8270D(M) TQ
Semivolatile Organic Compounds (Phenols, Phthalates, PAHs) by GC/TQ	EPA 8270D(M) TQ
Semivolatile Organic Compounds (Phenols, Phthalates, PAHs) by GC/MS SIM	EPA 8270C/D(M) SIM
Total Recoverable Petroleum Hydrocarbons (TRPH)	418.1(M)
Total Petroleum Hydrocarbons (TPH)-Gasoline	EPA 8015B/D(M)/GRO
TPH-Diesel	EPA 8015B/D(M)/DRO
TPH with Carbon Chain Breakdown (C6-C44)	EPA 8015B/D(M)
Total Organic Carbon (TOC)	EPA 9060A
Volatile Organic Compounds (VOCs) plus Fuel Oxygenates	EPA 8260B/C
Metals in Sediment: As, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn	EPA 6020/6020A & 7471A
Mercury	EPA 7471A
Mercury Low-level	EPA 1631
Ammonia, Total	SM 4500 NH3 B/E(M)
Simultaneously Extracted Metals/ Acid-Volatile Sulfides	EPA 821-R-91-100/6010B/C
Chromium VI	EPA 7196A
Chromium VI - Low Level	EPA 7199/3060A
Moisture Content/Total Solids	ASTM D-D216 or SM2540B
Particle Size Analysis (Sieve or Laser)	ASTM D422 or D4464(M)
Sulfide, Total	SM 4500 S2 D(M)
Sulfide, Total (Field preservation required)	EPA 9030B/9034
Sulfide, Dissolved (Pore Water) (24 hour Hold Time)	SM 4500 S2 D(M)
Sulfide, Dissolved (Field preservation required)	EPA 9030B/9034

TQ: Triple Quadrapole

Parameters shown in **Bold** have short Hold Times

ELUTRIATE PREPARATION

ANALYSIS
SET Set-up Charge
MET, EET, or DRET Set-up Charge
SET, per sample
MET, EET, or DRET without DO & TSS, per sample
MET, EET, or DRET with DO & TSS, per sample

SEAWATER & ELUTRIATES

ANALYSIS	METHOD
Organochlorine Pesticides	EPA 8081A/B
Organochlorine Pesticides – Low-level by GC/TQ (select list)	EPA 8270D(M) TQ
Organotins (Dibutyltin, Monobutyltin, Tetrabutyltin, Tributyltin)	Krone et al. (GC/MS)
PCBs (Aroclors)	EPA 8082/8082A
PCB Congeners by GC/ECD	EPA 8082/8082A(M)
PCB Congeners (List of 41 Congeners) by GC/MS SIM	EPA 8270D(M) SIM
PCB Congeners (List of 41 Congeners) by GC/TQ	EPA 8270D(M) TQ
PCB Congeners - Extended List by GC/MS SIM	EPA 8270D(M) SIM
Phenols Low-level by GC/TQ	EPA 8270D(M) TQ
Phenols Low-level by GC/MS SIM	EPA 8270C/D(M) SIM
Phthalates Low-level by GC/TQ	EPA 8270D(M) TQ
Phthalates Low-level by GC/MS/SIM	EPA 8270C/D(M) SIM
Polynuclear Aromatic Hydrocarbons by GC/TQ	EPA 8270D(M) TQ
Polynuclear Aromatic Hydrocarbons by GC/MS SIM	EPA 8270C/D(M) SIM
Pyrethroids by GC/TQ	EPA 8270D(M) TQ
Pyrethroids by GC/TQ NCI	EPA 8270D(M) TQ NCI
PAHs, Phenols, Phthalates, PCB Congeners, Organochlorine Pesticides, and Pyrethroids by GC/TQ	EPA 8270D(M) TQ
Semivolatile Organic Compounds (Phenols, Phthalates, PAHs) by GC/TQ	EPA 8270D(M) TQ
Semivolatile Organic Compounds (Phenols, Phthalates, PAHs) by GC/MS SIM	EPA 8270D(M) TQ
Sea Water Metals: As, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn	EPA 6020/6020A & 7471A
Sea Water Metals Scan with Reductive Precipitation Preparation: As, Be, Cd, Cr, Co, Pb, Ni, Se, Ag, Zn	SOP M225/EPA 6020/6020A or 200.8
Sea Water Metals: Al, Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Se, Ag, Tl, V, Zn	EPA 1640
Mercury	EPA 7470A
Mercury – Low Level	EPA 1631
Total Suspended Solids	SM 2540 C
THB Reductive Precipitation Procedure (trace element determination)	SOP M225

NCI: Negative Chemical Ionization

TISSUES

ANALYSIS	METHOD
Organochlorine Pesticides	EPA 8081A/B
Organochlorine Pesticides – Low-level by GC/TQ (select list)	EPA 8270D(M) TQ
PCBs (Aroclors)	EPA 8082/8082A
PCB Congeners by GC/ECD	EPA 8082/8082A(M)
PCB Congeners (Calscience list of 41 Congeners) by GC/MS SIM	EPA 8270D(M) SIM
PCB Congeners (Calscience list of 41 Congeners) by GC/TQ	EPA 8270D(M) TQ
PCB Congeners - Extended List by GC/MS SIM	EPA 8270D(M) SIM
Phenols Low-level by GC/TQ	EPA 8270D(M) TQ
Phenols Low-level by GC/MS SIM	EPA 8270C/D(M) SIM
Phthalates Low-level by GC/TQ	EPA 8270D(M) TQ
Phthalates Low-level by GC/MS SIM	EPA 8270C/D(M) SIM
Polynuclear Aromatic Hydrocarbons by GC/TQ	EPA 8270D(M) TQ
Polynuclear Aromatic Hydrocarbons by GC/MS SIM	EPA 8270C/D(M) SIM
Pyrethroids by GC/TQ	EPA 8270D(M) TQ
PAHs, Phenols, Phthalates, PCB Congeners, Organochlorine Pesticides, and Pyrethroids by GC/TQ	EPA 8270D(M) TQ
Organotins (Dibutyltin, Monobutyltin, Tetrabutyltin, Tributyltin)	Krone et al. (GC/MS)
Semivolatile Organic Compounds (Phenols, Phthalates, PAHs) by GC/TQ	EPA 8270(M) TQ
Semivolatile Organic Compounds (Phenols, Phthalates, PAHs) by GC/MS SIM	EPA 8270C/D(M) SIM
Metals: As, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn	EPA 6020/6020A & 7471A
Mercury	EPA 7471A
Lipids	Calscience SOP M489
Moisture Content/Total Solids	ASTM D 2216/SM 2540 B
Sample Preparation/Homogenization	

PREPARATIONS & CLEANUPS

PROCEDURE	METHOD	PRICE $
Gel Permeation Cleanup (GPC)	EPA 3640A	
Silica Gel Cleanup	EPA 3630C (M)	
Solid Phase Extraction (SPE)	EPA 3535A(M)	
Sulfur Cleanup	EPA 3660B	
ENVI-Carb/PSA	CEL SOP M234	

Additional Information

GENERAL INFORMATION

LABORATORY LOCATIONS

Garden Grove - Main Facility (Sample Drop-off Location)

7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494
Fax: 714-894-7501

Knott Ave. - Sample Container Pick-up Location

11380 Knott Ave.
Garden Grove, CA 92841-1400
Phone: 714-895-5494
Fax: 714-894-7501

Garden Grove - Lampson Facility

7445 Lampson Ave.
Garden Grove, CA 92841-2903
Phone: 714-895-5494
Fax: 714-897-2482

HOURS OF OPERATION

Normal working hours are 8:30 AM to 5:30 PM, Monday through Friday. Saturday sample receiving hours are 9:00 AM to 5:00 PM. While the laboratory is usually manned from 7:30 AM to 7:30 PM during normal working hours, pick-up or delivery outside of normal working hours, including weekends/holidays should be preceded by advance notice to ensure availability of personnel.

PICK-UP LOCATION FOR SAMPLING SUPPLIES

Customer pick-up for coolers and sampling supplies is located at our secondary facility at 11380 Knott Ave, Garden Grove, CA 92841-1400. Please note that samples cannot be accepted at this location, sample drop off is at main laboratory on Lincoln Way.

Directions to Sample Container/Bottle Preparation Facility (11380 Knott Ave) from Main Lab (7440 Lincoln Way):

- Right onto Western,
- Right onto Orangewood
- Right onto Knott
- Take second right into building complex

SAMPLE CONTAINERS

Pre-preserved sample containers are furnished upon request, and are included in the cost of the analysis with the exception of supplies for EPA Method 5035 preparation for soils and air sampling devices.

Unused sample containers cannot be returned to Calscience for reuse due to possible contamination issues. A minimum disposal fee of $100 will apply to return of unused sample containers requiring disposal.

SAMPLE RECEIVING

Sample Receiving is located at the main laboratory facility at 7440 Lincoln Way, Garden Grove, CA 92841-1427.

For our customers in Northern California, samples can be dropped off at our Concord, CA Service Center. For sample drop-off, please call ahead to ensure that there is someone available to receive samples.

Calscience – Northern California Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
Phone: 925-689-9022

COURIER SERVICE

Laboratory personnel are available to pick-up samples for analysis free of charge (based upon availability), assuming a minimum $250 analytical fee and an approximate 50 mile or less driving distance from the laboratory or our Concord service center. Couriers are not responsible for checking contents of coolers or accuracy of the Chain-of-Custody (CoC), this is the responsibility of the client designee signing the CoC.

TURNAROUND TIMES

The normal turnaround time is five working days, with provision of electronic (pdf) or facsimile reports on the due date. Certain analyses or matrices (e.g. marine sediment) require a ten working day turnaround time. On request, hard copy reports can be mailed within one working day after the due date.

Turnaround times commence on the date and time samples are received by the laboratory, or when any CoC discrepancies are resolved. Please note that if a Calscience courier receives samples in the field, the turnaround time does not commence until the courier arrives back at the laboratory. The courier may have additional stops before returning to the laboratory, so delays in commencing testing are possible when using a Calscience courier. The turnaround time for samples received after normal business hours (i.e. after 1730 hours) will commence the following business morning (i.e. at 0830 hours).

Rush turnaround surcharges for analyses normally requiring five working days are as follows:

Immediate (timing to be arranged):	200%
24 hour (one working day):	100%
48 hour (two working days):	50%
72 hour (data provided by end of third day):	25%
96 hour (data provided by end of fourth day):	10%

Advance notice is strongly recommended for all rush analyses.

MINIMUM CHARGE A minimum charge of $300 per Work Order will apply unless otherwise agreed upon.

SAMPLE DISPOSAL Disposal of solid and aqueous samples will occur 28 days following sample receipt unless other arrangements have been made in advance. Air samples will be retained only until analysis is completed.

SAMPLE COMPOSITING Samples that require compositing prior to analysis are subject to a $4 per sample compositing fee. For example, four discrete soil samples requiring compositing to one sample for analysis would be subject to a $16 compositing fee, plus the cost of analysis. This compositing fee may be increased for difficult samples, e.g. marine sediments or soils tightly compacted into sampling sleeves.

SAMPLE STORAGE & ARCHIVING Solid and Aqueous samples received but not analyzed are subject to a sample disposal fee of $5.00 per sample. Samples are normally stored for a period of 28 days after sample receipt. Samples requiring archiving beyond 28 days are subject to a fee of $2.00 per sample per month at ambient temperature, or $5 per sample per month under refrigeration/ frozen.

DATA VALIDATION PACKAGES For projects requiring reporting of analytical and quality control data including raw data a surcharge of 15%, or $150, whichever is greater, will apply for a full validation package. These surcharges are applicable to packages that are requested at the time of sample delivery. Requests for generation of data packages after results have been reported may result in additional fees. Validation packages are available on CD ROM. The standard TAT for validation packages is 20 working days.

ELECTRONIC DATA DELIVERABLES (EDD) Presentation of data in spreadsheet format (e.g. Excel or Access) is included in the cost of analysis if requested on or before the time samples are received by the laboratory. Requests for EDDs after the final report is prepared may result in a fee. Complex EDDs may also require a fee.

Preparation of State mandated Geotracker EDF deliverables will require a fee of 5% of the analytical fee or $25 per report, whichever is greater.

ADDITIONAL REPORT COPIES At Client request, Calscience will provide additional copies of reports and/or supporting raw data that has previously been provided at a cost of $25 plus $0.05 per page. Additional fees may apply for archived data retrieval.

APPENDIX D

Memorandum

To: Ayla Anderstrom, Dennis Leeke

From: Sharon L. Gordon, Attorney
(620) 986-5520; slgordonlaw@wheatstate.com

Date: February 16, 2016

Re: Merced Contract Comments of behalf of
Eurofins Eaton Analytical, Inc. (EEA)

In reviewing the Merced RFP, I have the following comments.

AGREEMENT FOR PROFESSIONAL SERVICES

Section 9: EEA believes that indemnification clauses should reflect a fair and equitable allocation of the risk involved in the work. EEA will not accept liability for a client's negligence. This section should be revised as follows:

> *Consultant shall indemnify, protect, defend (with legal counsel selected by the City), save and hold City, its officers, employees, and agents, harmless from any and all claims or causes of action for death or injury to persons, or damage to property resulting from intentional or negligent acts, errors, or omissions of Consultant or Consultant's officers, employees, volunteers, and agents during performance of this Agreement, or from any violation of any federal, state, or municipal law or ordinance, to the extent caused, in whole or in part, by the willful misconduct, negligent acts, or omissions of Consultant or its employees, subcontractors, or agents, or by the quality or character of Consultant's work, or resulting from the negligence of the City, its officers, employees, volunteers and agents, except ~~for~~ to the extent of loss caused by the ~~sole~~ negligence or willful misconduct of the City or its officers, employees, volunteers or agents.*
> *Consultant's maximum liability under this Agreement or any other attachments hereto, whether based in contract, tort, warranty, negligence or otherwise, shall not exceed the total amount paid by City to Consultant under the applicable order giving rise to such liability, or $1,000,000, whichever is greater. In no event shall Consultant be liable to City for any special, indirect, or consequential damages under this Agreement.*

TERMS AND CONDITIONS FOR SERVICES AND PUBLIC WORKS CONTRACTS

Section 12: In accordance with the comment above, this section should be revised as follows:

> *Contractor shall indemnify, protect, defend, save and hold City, its officers, employees, and agents, harmless from any and all claims or causes of action for death or injury to persons, or damage to property resulting from intentional or negligent acts, errors, or omissions of Contractor or Contractor's officers, employees, volunteers, and agents during performance of the Agreement, or from*

any violation of any federal, state, or municipal law or ordinance, to the extent caused, in whole or in part, by the willful misconduct, negligent acts, or omissions of Contractor or its employees, subcontractors, or agents, or by the quality or character of Contractor's work, or resulting from the negligence of the City, its officers, employees, volunteers and agents, except ~~for~~ to the extent of loss caused ~~solely~~ by the gross negligence of the City.

Contractor's maximum liability under this Agreement or any other attachments hereto, whether based in contract, tort, warranty, negligence or otherwise, shall not exceed the total amount paid by City to Contractor under the applicable order giving rise to such liability, or $1,000,000, whichever is greater. In no event shall Contractor be liable to City for any special, indirect, or consequential damages under this Agreement.

The following comments are for your consideration and should not be considered a demand.

Monica Van Natta, Project Manager

2-25-16

Date

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016
TEL (626) 386-1100 FAX (626) 386-1101
www.eatonanalytical.com

110 South Hill Street
South Bend, IN 46617
TEL (574) 233-4777 FAX (574) 233-8207
www.eatonanalytical.com

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